

TENDER NO.02/FOD/EQPT/JMI//2013-14

Tender for Procurement of  
Equipments/Instruments  
for  
Faculty of Dentistry, JMI

Dated: 23.04.2013



**OFFICE OF THE DEAN, FACULTY OF DENTISTRY,  
JAMIA MILLIA ISLAMIA, JAMIA NAGAR,  
NEW DELHI-110025.  
TELEPHONE / FAX. 011-26983046**

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**Tender Notice**

Sealed Tenders are invited from reputed companies / authorized dealers/distributors for purchase of equipments/instruments for the Faculty of Dentistry as per details given in the Tender Document. The Tender document with other terms & conditions can be downloaded from JMI website [www.jmi.ac.in](http://www.jmi.ac.in). Last date for submission of tender: **22.05.2013** by **01:00 pm** at Faculty of Dentistry, JMI. Opening of Technical bids: **23.05.2013** at 3:30 pm at Faculty of Dentistry, JMI.

Sd/-

Date: 23.04.2013

Registrar

For publication in the minimum size in the tender notice Column:

1. The Indian Express

### **Instructions to Bidders**

The **Faculty of Dentistry**, Jamia Millia Islamia has the requirement of equipments/instruments. The interested bidders are required to submit their bids in two parts :

1. Technical Bid (3 copies with first copy in original) with Tender fee & EMD should be sealed in separate envelopes duly superscribed “Technical Bid” – TENDER NO.02/FOD/EQPT/JMI//2013-14 for Faculty of Dentistry.
2. Financial Bid (3 copies with first copy in original) should be sealed in a separate envelope duly superscribed “Financial Bid” – TENDER NO.02/FOD/EQPT/JMI//2013-14 for Faculty of Dentistry.

Both Technical and Financial Bids’ sealed envelopes/covers are to be put in a bigger cover/envelope which should also be sealed and duly superscribed as “Tender No.02/RO/PICO/FOD/JMI/2013-14 – Equipments/Instruments for Faculty of Dentistry” addressed to “**The Dean, Faculty of Dentistry, Jamia Millia Islamia, Jamia Nagar, New Delhi-110025.**”

<b>Activity</b>	<b>Date</b>	<b>Time</b>	<b>Venue</b>
Last date for submission of Tender	22.5.2013	01:00 p.m.	Faculty of Dentistry, JMI, New Delhi
Opening of Technical Bid	23.05.2013	3:30pm	Faculty of Dentistry, JMI
Opening of Financial Bid	Shall be intimated to technically qualified supplier by email and phone		

### **Place of Work:**

Work to be rendered by the company(s) under this tender is to supply, installation and commissioning of the equipments/instruments in the Faculty of Dentistry, JMI. The faculty/technical staff of Faculty of Dentistry has to be trained by OEM/Registered Supplier or Distributor at their expense.

**Eligibility Criteria:**

1. The Bidder should be reputed company/an authorized dealer/distributor having after sales service agreement with the OEM (Proof for the same to be enclosed alongwith address, phone nos. & E-mail etc. of the Service Centre).
2. If ISO certified Company, enclose documentary proof.
3. The bidder should have experience of more than five years in execution and maintenance of equipments quoted (A certificate of establishment to be provided).
4. The successful bidder should enter into an Agreement with JMI, as per the contract form provided at **Annexure-VI**.
5. If any article/item is borne on the list of DGS&D rate contract, a copy of the RC be enclosed.
6. The tender complete in all respect along with tender fee and Earnest Money should reach the Faculty of Dentistry, Jamia Millia Islamia, Jamia Nagar, New Delhi-110 025 on or before due date. No tender after the last date shall be entertained.

Sequence of documents to be provided/enclosed in each copy of the tender documents:

1. Forwarding letter duly signed by the Authorized person.
2. Balance sheet with auditor's report for the years 2010-11, 2011-12 & 2012-13.
3. Latest Income Tax Clearance Certificates.
4. Central Sales Tax/VAT.
5. Sole Proprietary/sole manufacturer certificate for proprietary item.
6. List of Similar equipments supplied by the firm with addresses and phone numbers of customers with satisfactory completion certificate/satisfactory working certificates.
7. Name and address of registered office, Head Office and Regional office of the company with name and phone numbers of key persons.
8. List of deviations from the tender specification duly signed page-wise.
9. Commercial terms and conditions with time schedule for completion.
10. Proof of the authorized agent/distributors/dealer.
11. Acceptance of all clauses of tender specification duly signed page-wise.

(Signature of authorized person)

Name:

**Seal with contact details of firms and person**

**Conditions of Contract****Terms & Conditions:**

1. The tenderer shall be required to deposit **3% Earnest Money** of estimated value of goods to be procured through Bank Draft/Fixed Deposit Receipt/Bank Guarantee drawn in favour of **‘The Registrar, Jamia Millia Islamia.’** No tender shall be accepted without the Earnest Money and Tender Fee. The JMI shall forfeit EMD, if the successful tenderer fails to furnish the required Bank Guarantee.
2. The successful supplier will submit a Bank Guarantee equivalent to 5% of the total value of purchase order at the time of installation which would remain valid for a period of 60 days beyond the date of completion of all obligations of the supplier including warranty obligation. EMD will be released to successful bidder after submission of Bank Guarantee. JMI shall forfeit Bank Guarantee in the event of a breach of contract by the successful supplier.
3. A proposal would be rejected for award if it determines that the bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the contract in question.
4. The tenders received after the deadline for submission of bids prescribed by the Purchaser will be rejected and such tenders shall be marked as late and not considered for further evaluation.
5. The JMI may, at its discretion, extend the deadline for submission of bids by amending the bid documents in accordance with clause relating to Amendment of Bidding documents in which case all rights and obligations of the JMI and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.
6. The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by the bidder or a person or persons duly authorized to bind the bidder to the Contract. All pages of the bid, except for un-amended printed literature, shall be initialed by the person or persons signing the bid. Further, over-writings on documents, if any should be supported by signatures.
7. The bidders may submit their duly sealed Tender by post or by hand at the address specified in the Notice Inviting Bids not later than the time and date specified therein. In the event of the specified date for the submission of tender being declared a holiday for the JMI, the tender will be received up to the appointed time on the next working day.

8. Prices shall be quoted in Indian Rupees for offers received for supply within India and in US dollars as per the Financial Bid format in case of offers received for supply from foreign countries.
9. Prices quoted should be FOB/FOR, JMI, New Delhi inclusive of all charges required to make the equipment functional to the satisfaction of JMI, otherwise it would be presumed that the quoted prices are inclusive of all charges, if applicable.
10. In case price for imported goods are quoted in FOR, the JMI will provide customs duty exemption certificate and the supplier should submit original Bill of Entry which must be in the name of the Registrar, JMI.
11. All taxes, if applicable, should be quoted separately, otherwise it would be presumed that the quoted prices are inclusive of taxes (please see Financial Bid format).
12. The JMI may decide to open a letter of Credit or Wire Transfer in cases where it so decides. Any variation in price from the importer and manufacturer be indicated well in advance.
13. The imported equipments should be quoted by the authorized supplier/dealer. In this case, commitment of after sales service with the period applicable should be clearly mentioned.
14. The quotations must be valid for 180 days (six months) from the date of opening of the financial bids. No change in prices and change in terms and conditions will be permitted.
15. All quoted items must carry brochure/catalogue/Pamphlets/Technical Literature and related documents.
16. The supplier further warrants that the goods shall be free from defects arising from any act or omission of the supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in India.
17. The Technical Bids will be opened at the first instance and evaluated by a Competent Committee or Authority. At the second stage, Financial Bids of only the technically acceptable offers will be opened for further evaluation and ranking before awarding the contract.
18. Imported items should be the items imported from any country except China. Therefore bidders should not quote the price of Chinese products and should mention explicitly the origin of the manufacture of the items to avoid rejection of bid.
19. Installation, testing, commissioning of the equipments should have to be carried out by Technical experts of the company/supplier up to the satisfaction of user department of JMI.

20. The suppliers will undertake warranty of equipment/instruments from the date of installation and shall have to mention clearly the period of warranty in financial bid.
21. In case replacement of a part becomes necessary during warranty period, the parts of the same make and same or better configurations as were originally there in the equipments shall be used. The supplier/vendor shall maintain details of the replacements and repairs carried out, if any, in any equipment/instrument in a separate document and produce the details as and when required by the user department of JMI. The cost of the parts will be borne by the supplier.
22. In case of complaint regarding repairing/replacement of equipment/instrument within the warranty period, the supplier will provide repair/replacement immediately. In case of non-compliance or delayed compliance, supplier will be penalized with an amount mutually agreed upon and it would be deducted from the Bank Guarantee.
23. The technical specification wherever given in the items' specification format is basic. The equipments/instruments may also be evaluated as per additional provisions and facilities.
24. Payment shall be made after submission of the invoice, Bank Guarantee and successful installation.
25. Jamia Millia Islamia (a Central University) is exempted from Customs Duty/Central Excise Duty. If required, a copy of the certificate will be issued by JMI.
26. Delivery should be within specified days mentioned in Purchase Order issued by PICO, JMI.
27. If the equipment/instrument are not delivered within the stipulated time, the supplier shall be liable to pay a penalty of 1% of the total order value for each delay of 10 days or part thereof and the amount will be deducted from the payment on account of purchase.
28. Free training shall be imparted to faculty/technical staff for operation, maintenance and troubleshooting at the user department of JMI.
29. The bidder may submit the proprietary certificate for the item(s), if applicable.
30. In a tender, either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender.
31. If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same product.



32. JMI shall consider any suggestion of bidder(s) for any change/amendment in specification or any clause of tender document within 15 days of notifying the NIT. No request for change/amendment in specifications or any clause(s) of tender will be accepted afterwards.
33. All corrigenda will only be notified on the JMI website.
34. Jamia Millia Islamia reserves the right to purchase varying quantity of material, less or more.
35. In the process of evaluation, comparison of bids, Jamia Millia Islamia reserves the right to reject any or all tenders.
36. Issuance of tender documents should not automatically be construed that the bidder is considered qualified. The JMI Authority have the right to reject any bids on technical/commercial grounds without assigning any reason.
37. Jamia Millia Islamia shall not be responsible for any delay, loss or non-receipt of tender documents sent by post.
38. The Vice-Chancellor, JMI shall be the final Authority for settlement of any dispute and the jurisdiction of Court of Law shall be Delhi/New Delhi.

**ANNEXURE-II**

**FORMAT OF SCHEDULE OF REQUIREMENTS**

**(All columns to be filled by supplier)**

<b>S.No.</b>	<b>Name of Equipment/Instrument</b>	<b>Unit</b>	<b>Qty.</b>	<b>Delivery Schedule</b>	<b>EMD in Rupees</b>
				Delivery in _____ weeks  at the user department, JMI	

**Authorized Signatory:**

**Name :**

**Designation:**

**Name of the firm:**

**Seal:**

SPECIFICATIONS & ALLIED TECHNICAL DETAILS

S.No.	Name of Items	Specification	Estimated Quantity	Bidders Compliance  Complied/ Not Complied
1.	Acrylizer	Double walled acrylizer, inside made of stainless steel 304 grade and outside mild steel sheet with stoving paint. The gap between the walls filled with glass wool to minimize loss of temperature. Temperature controlled by hydraulic thermostat from 5°C above ambient to 100°C with a sensitivity of $\pm 5^\circ\text{C}$ . Having a timer which could be set upto 2 hours, S.S. drain plug, 2 pilot lamps, control knob, ON/OFF switch. To work on 220/230 volts AC	5	
2.	Adams Plier	With two smooth, rectangular beaks. Tungsten carbide coated working faces that can be replaced in the factory. <b>Length: 12.0 cm</b> (Imported )	10	
3.	Agate Spatula	Durable Light weight. High quality plastic make. Should not dissolve in poly acrylic acid. Imported	70	
4.	Air Sterilizer & Room Asepticization System	<ul style="list-style-type: none"> <li>The system should be based on ultraviolet radiations with controlled wavelength to block the microorganisms' reproductive capacity by altering their chromosomes.</li> <li>The wavelength should be 253.7 nanometers to get powerful germicide power, enough to destroy the most resistant microorganisms including Anthrax.</li> <li>The system should reduce microbial load present in the air inside by irradiation continuously even in the presence of staff / operators without generating any health risks.</li> <li>The system should have validation / certification of being tested recognized agencies for compliance with international standards for air sterilization.</li> <li>Air capacity 25 m<sup>3</sup> / hour.</li> <li>Energy level 23000</li> <li>Power absorption 100 W</li> <li>High velocity HEPA - filtered air jets with velocities of more than 20 m/s ensuring efficient action to remove particulate matter at the entrance area.</li> <li>Mini – pleated HEPA filtration to achieve more than 99.99% efficiency at 0.3 micron particles.</li> <li>A disposable pre-filter with 85% to 90% arrestance.</li> <li>An emergency stop button is mounted on both sides of the shower.</li> <li>Indicators light mounted on both sides of the air</li> </ul>	1	

		<p>shower exterior regulate traffic flow in and out of the clean room.</p> <ul style="list-style-type: none"> <li>• Permanently lubricated direct drive centrifugal blower are used in conjunction with stainless air nozzles.</li> <li>• Option of Hand and Footwear Disinfection System based on the process of vaporization cum nebulization.</li> <li>• Double sided version must be quoted suitable for site,</li> <li>• Option for single leaf and double leaf version must be quoted suitable for site.</li> <li>• Chamber based, sufficient for one surgeon at an instance</li> </ul>		
5.	Airotor handpiece	Push button type [W& H/NSK/similar]	25	
6.	Alginate Mixing Spatula	Plastic, straight. Handle size minimum 4 inches, Indian	31	
7.	Alginator, mechanical mixer	Fixed rubber bowl, motorized with 2 speeds including reverse, 220v AC, Imported	2	
8.	Amalgam Carver	Diamond shape, Durable stainless steel, Light weight. Imported	165	
9.	Amalgam Condenser	Round shape, Durable stainless steel, Light weight. Imported	165	
10.	Amalgamator	<ul style="list-style-type: none"> <li>• Bulk alloy amalgamator</li> <li>• Programmable for timing and quantity of mix</li> <li>• Reserve for amalgam alloy and mercury</li> <li>• 220 volt supply</li> </ul>	3	
11.	Apex locator	<ul style="list-style-type: none"> <li>• It should Locate and calibrate Apex Automatically.</li> <li>• It should be able to measures root canal length in dry and wet conditions.</li> <li>• It should have Audible signal and meter for indicating the position of the apical constriction and file distance from apex.</li> <li>• It should work on multi-frequency measuring software technology.</li> <li>• It should have a canal length indicator bars, sound volume control (off, low, high).</li> <li>• It should contain large LCD display with information display, canal length indicator bars, sound volume (off, low, high), battery power indicator, meter bar (for the ratio technique), adjustable apical line.</li> <li>• Rating: DC 4.5 V, Power Consumption: 0.135 VA,</li> <li>• It should have weight not more than 200 gm.</li> <li>• It should contain all accessories i.e. 1 probe cord, 3 file holders, 3 lip hook, 1 canal length tester, 1 extension cord 4 1.5 V AAA battery</li> </ul>	4	
12.	Arch wire stand	For storing and easy dispensing of preformed archwires Should hold up to 10 wires at a time, with cover. Imported	6	
13.	Artery forceps curved	Medium for holding ligature wires in posterior region Stainless steel, Imported	67	

14.	Artery Forceps- straight	Medium, for holding ligature wires in anterior region Stainless steel, Imported	44	
15.	Articulating jig	For forming bases on the study models for orthodontic purpose. It should have 2 hard bases in aluminium, 2 silicon bases, 2 reference pins of stainless steel, 1 transparent axis plane and one front planarity pin. Imported	2	
16.	Articulating paper holder	Henry Schein)/similar Stainless Steel	19	
17.	Articulator with Facebow	Hanau H2/artex/similar Facia Facebow with Earpiece & Bite fork <ul style="list-style-type: none"> <li>• It should be semi adjustable, easy to operate</li> <li>• It should be ideal for prosthetic laboratory procedures</li> <li>• It should be with important tools for diagnosis and treatment planning</li> <li>• It should be easy to make patient impression and finally mount the model</li> <li>• Ear piece &amp; bite forks should be removable and autoclavable.</li> <li>• It should have better access and visualisation of operating field</li> </ul>	1	
18.	Autoclave, Front loading	<ul style="list-style-type: none"> <li>• It should be fully Automatic front loading Autoclave</li> <li>• It should have 22 Lt. Capacity with vacuum &amp; dry cycle</li> <li>• It should have universal class B cycle, sterilizes wrapped, unwrapped hollow or solid instruments.</li> <li>• It should have Vacuums to 0.70 bar 3 Times during conditioning of the chamber for sterilization and vacuums to dryness of = 0.2 humidity.</li> <li>• It should have separate steam generation and chamber heating, using steam boiler to generate steam and heating elements to heat up the chamber.</li> <li>• It should give a better control over the steam generation and delivery, thus reducing the amount of water used.</li> <li>• It should have 3 instrument trays to hold different type of Instruments</li> <li>• It should have LED display of temperature, time and pressure.</li> <li>• It should have the pressure and temperature of the autoclave range from 15 PSI at 121 C to 30 PSI at 134 C.</li> <li>• It should have the body and trays of the autoclave made from corrosion - resistant Stainless Steel.</li> <li>• It should have Auto cut off &amp; 'stand-by' mode.</li> <li>• It should have Safety thermostat to prevent overheating.</li> <li>• It should have Micro switch to confirm door closure</li> <li>• It should have 2 tanks for the storage of used and used water.</li> </ul>	7	

		<ul style="list-style-type: none"> <li>• Imported</li> </ul>		
19.	Automatic Impression mixing system (Elastomeric Impression Material) with two pouches of Polyether material	<p>Motorized automatic Impression mixing system</p> <ul style="list-style-type: none"> <li>• Easy push-button dispensing</li> <li>• Fast and homogeneous mixing for void free impressions</li> <li>• Hygienic direct filling of trays and syringes to avoid cross-contamination</li> <li>• Less waste— dispenses only amount of material needed</li> <li>• Cartridge exchange</li> <li>* Automatic retract</li> </ul> <p>Two pouches polyether, dispensing tips for 200 impressions Three years warranty</p>	4	
20.	Automatic processor	<ul style="list-style-type: none"> <li>• Processes all sizes and types of intra-oral x-ray film.</li> <li>• High quality, archivable radiographs are delivered dry in four minutes.</li> <li>• Endodontic films may be viewed wet in only 60 or 120 seconds.</li> <li>• Optional easy-to-use daylight loader eliminates the need for a darkroom.</li> <li>• Films are processed automatically on insertion into processor.</li> <li>• Unique film transport system ensures consistently excellent results.</li> <li>• Electronic management system shows machine status and useful help codes.</li> <li>• Compact dimensions, simple installation and minimal servicing</li> <li>• Electronic machine management</li> <li>• Stand-by mode</li> <li>• Daylight Operation</li> <li>• Deep processing tanks</li> <li>• Routine chemical replacement and cleaning are quick and straightforward, and the entire machine is designed for long life, maximum reliability.</li> <li>• With Three Year Warranty</li> </ul>	1	
21.	Automatic shoe cover dispenser	With a shoe cover storage box packing:200 pair shoes and with warning light ,ultraviolet radiation switch (sterilizing light ), count righting switch counting monitor and a power switch	2	
22.	Automatic Tooth Shade Matching device	<p>Spectrophotometer based CIE L*a*b* based shade selection, include optional determination of VITABLOCS shades, analysis of enamel, individual teeth or teeth areas, restoration mode, shade specification using VITA SYSTEM 3D-MASTER and VITA classical A1–D4, sophisticated communication software as well as a memory upgrade from 25 to 30 measurements. Automatic &amp; Manual Calibration system. LCD display with menu system based software. Should have a training mode and Ceramic Restoration verification mode. Hand held cordless with Li-ion rechargeable battery, total weight not more than 550gm.</p> <p>Warranty: 3 years</p>	2	

23.	B. P. Handle No. 3 & 4	High quality steel, sterilised, Indian (Per Each)	17	
24.	Ball Burnisher	Round shape, Durable stainless steel, Light weight. Imported	125	
25.	Band Seater	Light weight, Stainless steel, sterilizable With large surface tin inlay. imported	6	
26.	Band benching peek( Hammer Head) plier	For bending nickel-titanium arches/wires in the molar region. The two ends fit together like a tongue and groove around the nickel titanium wire, so that the ends of the wire attain the required bend with one squeeze of the pliers. max. wire thickness: $\phi$ 0.45 mm / 18, F 0.41 x 0.56 mm / 16 x 22 Stainless steel, imported	3	
27.	Band Contouring plier	Curvature of the beaks only on one side. For contouring and adapting bands. Light weight, Stainless steel, imported	3	
28.	Band cutting scissors- curved	For cutting thin metal orthodontic bands. Stainless steel, Imported	8	
29.	Band cutting scissors- straight	For cutting thin orthodontic metal band material. Stainless steel, Imported	8	
30.	Banding plier- Tweed ribbon arch	For applying torque to edgewise wires. Parallel grip prevents crushing of wire. Inserts made of hard metal. max. wire thickness: F 0.56 x 0.70 mm / 22 x 28. Stainless steel, Imported	3	
31.	Banding Plier- De La Rosa	With guiding grooves for forming round and square arches 16, 18, 22. Stainless steel, imported	5	
32.	Banding pliers-Lingual Technique	For bending in increments and to compensate curves in arch wire for the lingual technique. Increments: 1.5; 2.0; 2.5 and 3.0 mm max. wire thickness: $\phi$ 0.5 mm, hard, Stainless steel, imported	3	
33.	Band pusher	With serrated rectangular tip and anatomically formed grip for good transfer of force when positioning bands Light weight, Stainless steel, imported	5	
34.	Band removing plier - (Anterior )	Long chisel tip with carbide insert • Facilitates removal of anterior bands With replaceable occlusal nylon pads For removing anterior bands. Stainless steel With replaceable plastic tip. With replaceable hard metal tip. imported.	7	
35.	Band removing plier - (posterior )	Long chisel tip with carbide insert • Facilitates removal of posterior bands • With replaceable occlusal nylon pads • For removing molar bands, Stainless steel, With replaceable plastic tip. With replaceable hard metal tip imported	7	
36.	Bard parker handles	Ash/ Equinox, Straight and angulated, round handles, imported quality	5	
37.	Base former	Upper & Lower Adult & Mixed Dentition. Made up of silicone rubber	8	
38.	Bedside Iv fluid stands	<ul style="list-style-type: none"> <li>I V. stand frame made of high quality CRCA/SS/ plastic pipes.</li> </ul>	5	

		<ul style="list-style-type: none"> <li>• I. V. Stands with five spiked base on 5 cms castors.</li> <li>• Chrome plated adjustable rod with double hook.</li> <li>• I.V. stand of SS adjustable rod with four hooks is also available.</li> <li>• Pre-Treated powder coated burn cage.</li> </ul>		
39.	Biochemistry autoanalyzer	<ul style="list-style-type: none"> <li>• System Type: Discrete, open, Automated, Random access clinical chemistry analyzer should be USFDA approved.</li> <li>• Stat Analytics: At least 5 stat positions should be available.</li> <li>• Throughput: Photometric 100 to 150 tests/ hour.</li> <li>• Bar Code Identification: Automatic Bar code scan for reagents and samples.</li> <li>• 05. Measuring Principles: Colorimetry, (Rate &amp; end point kinetic Method), and Turbidimetric Assay.</li> <li>• 06. Calibration: Provision for automated Linear, Non –linear, &amp; Multipoint. Calibration should be available. Calibration should be reagent specific and valid for at Least 30 days.</li> <li>• 07. Sample Tray: 30 positions for the bar coded patient samples including stat</li> <li>• Positions, with separate positions for Blank, Calibration, &amp; controls.</li> <li>• 08. Sample volume: 2 – 70 µl.</li> <li>• 09. Sample Tubes, Cups: Most commonly used blood collection tubes/ Vacutainer (02ml, 03 ml, 05 ml, etc) and sample Cups, including pediatric sample cups .</li> <li>• The machine should perform quality tests including L-J plot be able to collate/ analyse quality control data. Quality control memory stage should be of at least 3 levels.</li> <li>• Sample Types: Serum, Plasma, Whole Blood, C.S.F, &amp; Urine.</li> <li>• Testing Item : ALT,AST,ALP.ACP.GGT., a- HBDH,LDH, CK,AMY,TG,TC,HDL- C,LDL-C,UA, UREA,Cr, GLU,TP,ALB,T-Nil, D-Bil, TBA, NH4+, CO2,Ca,Mg,</li> <li>• Cl, Na, K, poAL, apob, LP(a), C3, C4,IgG, IgM, HBA1C,Alcohol, Amphetamine, Barbiturates, Benzodiazepine etc.</li> <li>• Reaction Temperature: 37 + 0.2 Degree Celsius.</li> <li>• Environment control: The machine shall be capable of operating in</li> </ul>	1	



		<p>ambient temperature 20 – 30 Degree Celsius and relative humidity less than 70%.</p> <ul style="list-style-type: none"> <li>• Photometry : 8 Wavelengths – 340 , 405 , 450 , 505 , 546 , 578 , 660 &amp; 700 nm ( Both Mono &amp; Bichromatic ) .</li> <li>• Reaction system: Reaction Rotor should be rotating tray, containing permanent cuvette . Reaction volume should between 150 to 500 µ.</li> <li>• Machine should have single probe used for both sample and reagents.The machine should be able to properly mix both samples and reagents during operation.</li> <li>• Reagent Units: Minimum 35 cooled reagent position should be available in reagent unit.</li> <li>• Programmable Parameters : Unlimited</li> <li>• Sample Dilution: Should have facility of auto-dilution.</li> <li>• Water requirement: Should not be more than 06 liters / day.</li> <li>• 21. Comprehensive onsite warranty for Five years, followed by comprehensive on site AMC for next 5 yrs (6-10 Yrs).</li> <li>• Rate list of different spares and consumables used in the machine must be provided in the price bid. The startup kit should contain all reagents for 200 tests each and 2000 sample cups.</li> </ul> <p>System Requirement – Inbuilt Laser Printer, TFT Monitor, PC-P4, System interface – Serial RS232 and LAN – TCP / IP.</p> <ul style="list-style-type: none"> <li>• Cost of proprietary reagents to be quoted</li> <li>• Approximate cost per test to be indicated</li> </ul>		
40.	Biostar-VI	<p>Versatile pressure moulding machine WITH with convenient bar code scanner; Extra deep model cup for embedding mounted models; Reaches working temperature in 1 second Voltage 110/220 W – 50/60 Hz Power – 850 W, Work Presser – 6 bar / 87 psi WxDxH – 18”x10”x10.25” Weight – 35 LBS/16 Kg. Fuse – (Two) 5x20mm 8 amp. Heating Element, Presser Chamber, Locking handle, Clamping Frame Pellet drawer, Bar Code Scanner, Plug with fuse, Presser Controller, Compressed air connection, On off switch, Code Button, Air button, CE button, Time button, Code, Heating time. Imported</p>	1	
41.	Bleaching unit	6 powerful LED tubes which should emit a high intensive	2	

		Cold blue light. It should oxidize 16 or more teeth. Should have atleast 5 time pre-set programs and 3 different light intensity LCD screen to show all the information for better communication between the dentist and the patient.		
42.	Bone file	Hu-friedy/Ash/ Equinox, double ended, sugarman's and schluger type	7	
43.	Bone file	1X Miller-Colburn Bone File	8	
44.	BP apparatus	Digital monitor, with strapped hand cuff , to be used on the arm	8	
45.	BP Handle	Suitable with 11 No. BP blade, High quality stainless steel, Indian make	7	
46.	Bracket Holding Tweezer- Curved	For posterior teeth. Specially suited for placing brackets and buccal tubes in the posterior area. Stainless steel, Imported	4	
47.	Bracket Holding Tweezer- Straight	With long placement and angulation aid. For bracket placement. The blade at the end of the tweezers can be used for angulating brackets Stainless steel, Imported	4	
48.	Bracket Positioning Gauge	Simplifies seating the brackets on the teeth in the correct distance between bracket slot and incisal edge. With pencils. Stainless steel, Imported	6	
49.	Bur Chuck	for lab lathe.	2	
50.	Carborundum disc	Ultra thin, Indian	1	
51.	Cardio pulmonary resuscitation kit	Airbag resuscitation bag 2 Face (silicone) masks 1 Pinocchio helicoidal mouth opener 1 Polycarbonate tongue forceps 3 Sterile guedel air ways (small. medium. large.) 1 Oxygen mask with anticrush tube. 2 Endotracheal tubes cuffed of sizes 6,6.5,7.0,7.5,8.0	1	
52.	Cassette with intensifying screen	Outstanding durability with aviation-grade aluminum. Cassette framework should be made to avoid damage from repeated handling. Lightweight with strong corners, locks, and hinges made from the polymer and engineering plastics. 5x7 inches.	2	
53.	CBCT – Imported	<ol style="list-style-type: none"> <li>3D Modality with cephalometric module .With preinstalled software for implants and surgery planning, endodontics with cephalometric and orthodontic tracing and model analysis.</li> <li>01 <b>Work station</b> computers with the necessary configurations for the CBCT machine. And reporting room.</li> <li>Server based software for unlimited</li> </ol>	1	

		<p>Clint viewing on open source platform</p> <p>Patient positioning standing Sensor type TFT</p> <p>Scan mode</p> <p>Continuous and pulse</p> <p>Scanning time 12-28 seconds</p> <p>Gray scale 14 bits</p> <p>Voxel size (µm) 90 to 500</p> <p>Field of view upto (cm) 5x5, 8x8, 10x5, 10x10, 17x6, 17x11, 17x13.5</p> <p>Reconstruction time preferable 2-3 minutes</p> <p><b>Panoramic Modality</b></p> <p>Sensor technology: TFT</p> <p>Exposure time: 4 to 16 seconds</p> <p>Radiological exam options: Panoramic, segmented panoramic, maxillary sinus, LA TMJ x 2, LA TMJ x 4</p> <p><b>Cephalometric Modality</b></p> <p>Sensor technology: CCD</p> <p>Exposure time 0.1 to 3.2 seconds</p> <p>Radiological exam options</p> <p>Lateral, frontal AP or PA, oblique, submento-vertex, carpus</p> <p>Acquisition format size upto (cm)</p> <p>18x18, 18x24, 24x24, 24x30, 30x30</p> <p><b>X-Ray Generator and Other Specifications</b></p> <p>Tube voltage: 60 - 90 kV</p> <p>Tube current: 2 - 15 mA</p> <p>Frequency: 140 kHz</p> <p>Tube focal spot:</p> <p>0.7 mm (IEC 60336)</p> <p>Input voltage (AC)</p> <p>1. With lead lined console room (1.7mm lead equivalent) with lead viewing glass of size 30 inches x 25 inches (2mm lead equivalent), With three year warranty.</p> <p><b>A .E.R.B. approved x-ray machine.</b></p>		
54.	Cement Spatula	Double sided for mixing dental cements, Durable stainless steel, Light weight. Imported	110	
55.	Chair side cabinets	<ul style="list-style-type: none"> <li>It should be made up of high quality powder coated steel frame of minimum 1.0 mm thickness preferably double steel layer.</li> <li>It should have different drawer compartment for storage of different instruments with plastic trays for different Dental instruments and materials.</li> <li>The top should be made of durable artificial marble which is easy to clean.</li> <li>It should have moulded type, joint free wash basin incorporated with the artificial marble top.</li> <li>It should have Multi-functional shelf which can be used to store small equipments.</li> <li>It should be supplied with mobile dental cabinet in steel with coloured glass top and a lock.</li> <li>Minimum dimension 2250x490x855 mm.</li> </ul>	28	

56.	Chairside Porcelain glazing unit	Chairside glazing of ceramic crown & bridge, table mount, programmable chairside glazing unit, low temperature cycle. Should be able to perform glazing chairside on metal ceramic/layered ceramic/pressable ceramic crown and bridge	1	
57.	Cheatel forceps	Stainless Steel, Corrosion resistance, Dimensional accuracy Fine finish	17	
58.	Cheek Retractor	Winged, clear, high quality plastic, Autoclavable	11	
59.	Chisel	Hu- friedy/Ash/ Equinox, for bone cutting	7	
60.	Composite instrument kit	Set of 6 instruments Durable stainless steel with Teflon coating, Light weight. Imported	33	
61.	Control box and foot pedal for micromotor	<ul style="list-style-type: none"> <li>It should have minimum 0-35,000 RPM speed.</li> <li>It should have Forward &amp; Reverse direction selection function.</li> <li>It should be capable to operate through both Hand &amp; Foot.</li> <li>It should have high torque for smooth working.</li> </ul>	2	
62.	Cotton Drums-	Medium Autoclavable, stainless steel make	6	
63.	Crown contouring pliers	Stainless steel, imported, for contouring stainless steel crowns	3	
64.	Crown crimping pliers	Stainless steel, imported for metal crown modification.	3	
65.	Crown trimming scissors	For cutting bands and crowns Stainless steel, imported	3	
66.	Curette	Bruns Bone Curette - Oval #000	9	
67.	Curved probe	Explorer, Stainless steel, imported	1520	
68.	Dark Room Safelight	X –ray Safe light with filter for extraoral screen films ( blue green spectrum) also safe light in red spectrum with GBX-2 filter, 15 watt bulb.	2	
69.	Dark room timer	Shows minutes and seconds in total darkness. The 60-minute time range can be set in minutes for developing and seconds for enlarging control. Two hands permit quick setting by seconds, minutes, or combinations of seconds and minutes. Two separate outlet receptacles control an enlarger or printer and safelight by a combination time/focus switch. This model also can be used with a relay for heavier loads. Easy to read numerals on a large 6 ½" diameter face. Luminated by phosphor fluorescence with digital display.	1	
70.	Day light loader	Compatible with Durr XR24 Easy processor (to accommodate OPG and skull films)	1	
71.	Debonding Pliers	For the removal of brackets and adhesive residues. 45° angled cutting surface. Hard metal inserts Light weight, Stainless steel, imported	5	
72.	Dental Dewaxing Unit	Double walled acrylizer, inside made of stainless steel 304 grade and out-side mild steel sheet with stoving paint. The gap between the walls filled with glass wool to minimize loss of temperature.	3	

		Temperature controlled by hydraulic thermostat from 5°C above ambient to 100°C with a sensitivity of $\pm 5^\circ\text{C}$ . Having a timer which could be set upto 2 hours, S.S. drain plug, 2 pilot lamps, control knob, ON/OFF switch. To work on 220/230 volts AC		
73.	Dentulous mould(primary dentition)	Highly flexible silicone rubber make, Indian	3	
74.	Dentulous moulds – (Mixed Dentition)	Highly flexible silicone rubber make, Indian	11	
75.	Dentulous moulds (Permanent Dentition)	Highly flexible silicone rubber make, Indian	4	
76.	Diamond disc	Double sided superflex, with mandrel HP and mandrel RA shank	3	
77.	Digital Calipers	Large and clear LCD readout. * Power on/off. * Zero-setting at any position. * inch/mm switch.	2	
78.	Digital Camera SLR	Imported, lens- $\geq 10\text{X}$ zoom, focus range 50cm-infinity, $\geq 14$ megapixel monitor 2.7- 3 inches LCD screen, with Li-ion rechargeable battery, charging AC adaptor, USB cable for data transfer, audio-video cable, scratch card for camera screen, with camera pouch/ bag	4	
79.	Digital radiography sensor	With software Technical Specification for the digital Sensor CCD based sensor 1. It should have a maximum pixel size of 19 microns. 2. It should have a minimum of 26lp/mm 3. It should have cesium iodide based scintillator and fiber optic layer between scintillator and the imager. 4. It should be compatible with USB-2 (High speed USB) & also network compatible 5. It should have user friendly software with trabecular enhancement, interactive 3D and with pre-calibrated sensor for endodontic/implant measurements. 6. Software should be DICOM compatible to save different formats of images ie. CT Scans, Digital OPG's intra-oral camera, photo cameras.	3	
80.	Disinfectant Generating System	Mixed oxidant solution generation system for onsite generation of non toxic disinfectant. Wall Mounted.  <ul style="list-style-type: none"> <li>• Generation System</li> <li>• The generator should be a compact system</li> <li>• Solution should be generated at low current of <math>\leq 10</math> amp</li> <li>• Mineralization of the generated solution should not exceed 5 gliter</li> <li>• ph of the generated disinfectant should be almost neutral</li> <li>• Power consumption should not be more than 400 watts</li> <li>• Should have capacity to produce 400L</li> </ul>	4	

		<p>of mixed Oxidant solution per day</p> <ul style="list-style-type: none"> <li>• The produced disinfectant solution should have oxidant concentration of more than 400ppm.</li> <li>• System Operation Indicators like Power, System, Fuse and Error should be on the face of the equipment.</li> <li>• The system should have a combined LCD Display for current &amp; voltage</li> <li>• The system should be automatic and should have the provision for automatic generation of disinfectant as and when required.</li> <li>• Should be supplied with a tank for storage of mixed oxidant system</li> <li>• The system should have a large installed base (More than 50 units) in Indian hospitals.</li> <li>• The installation should be completely automated with float sensor technology for the fluidics.</li> <li>• Should run on specially prepared readymade electrolyte solution</li> <li>• Machine should be installable in the wall space area of 8' X 8', if one electric point and water point is provided along with a drainage outlet.</li> <li>• Should be manufactured by WHO – GMP GPP certified company</li> <li>• Water Treatment unit</li> <li>• Should be able to treat available potable water as per the Generator's requirement should be supplied with an inlet and outlet tank of 100 Liters each for storage.</li> </ul>		
81.	Distal End Cutter	With longer handles for easier handling when shortening archwire ends. Delicate design. Wire holder. Inserts made of hard metal. Sharpening of inserts possible by the manufacturer Stainless steel with TC tip, Imported	4	
82.	Dolphin Imaging System 11.5	Fully loaded 2D / 3D imaging software with cephal tracing, analysis Morphing, treatment simulation, superimposition enhancement.	1	
83.	Dontrix Gauge – Dynamometer	For measuring the force of elastics or springs upto 200gm, Imported	2	
84.	Double beak plier anterior	With beaks for anterior band forming. Can be used on both sides. Stainless steel, imported	2	
85.	Double beak plier posterior	With concave beaks. For forming bicuspid and molar bands in the mouth. Can be used on both sides. Stainless steel, imported	2	
86.	Double Ended lathe Trimmer With wheel (Indian)	Indian (unident/confident /similar)	1	
87.	Dry Heat Sterilizer	Rapid sterilization with operating cycle of 6 min, 8 min & 12 min Temperature range – 320- 360 degrees celcius 2 instrument trays Should not rust/ corrode instruments	2	

88.	Educational Model with Ceramic Brackets	<b>Angle Class I, Normal occlusion</b> Roth 22 <b>Fitted with: ceramic brackets</b> Maxillary and mandibular made of plastic, hinged Imported	1	
89.	Educational Model with Edwise Brackets	<b>Angle Class I, Normal occlusion</b> <b>Fitted with: metal edgewise brackets</b> Maxillary and mandibular made of plastic, hinged Imported Imported	1	
90.	Educational Model with Lingual Brackets	<b>Angle Class I, Normal occlusion</b> <b>Fitted with: lingual brackets</b> Maxillary and mandibular made of plastic, hinged Imported Imported	1	
91.	Educational Model with MBT Brackets	<b>Angle Class I, Normal occlusion</b> <b>Fitted with: MBT brackets</b> Maxillary and mandibular made of plastic, hinged Imported Imported	1	
92.	Educational Model with Self Ligating Brackets	<b>Angle Class I, Normal occlusion</b> Roth 22 <b>Fitted with: SELF LIGATING brackets</b> Maxillary and mandibular made of plastic, hinged.Imported	1	
93.	Educational Model- Class I malocclusion	<b>Angle Class I, Normal occlusion</b> Maxillary and mandibular made of plastic, hinged.Imported	1	
94.	Educational Model- Class II division 1 malocclusion	<b>Angle ClassII, occlusion</b> Maxillary and mandibular made of plastic, hinged.Imported	1	
95.	Educational Model- Class II division 2 malocclusion	<b>Angle Class II Div2, occlusion</b> Maxillary and mandibular made of plastic, hinged.Imported	1	
96.	Educational Model- Class III malocclusion	<b>Angle Class III, Normal occlusion</b> Maxillary and mandibular made of plastic, hinged.Imported	1	
97.	Electrocautery	<p>Radiosurgical Unit should match the following Broad Specifications</p> <ul style="list-style-type: none"> <li>Unit should have cut/coag and coag mode</li> <li>Electrode should be 360 degrees rotatable and autoclavable</li> <li>Light and audio indication of the active mode for safety</li> <li>Output power within 20-55 Watts range</li> <li>Unit should be supplied with all standard accessories required to operate with minimum 3 electrodes of different shapes for different applications</li> <li>Unit should have minimum two years warranty (Comprehensive)</li> <li>Alarm for improper connection</li> <li>Normal Operating Frequency: 3.5 to 4 MHz</li> </ul>	1	

		<ul style="list-style-type: none"> <li>Coag Modulation Frequency: 100 to 120 Hz</li> <li>Output Impedance: 500 to 600 Ohms</li> <li>Weight: not more than 4 Kg.</li> </ul>		
98.	Electronic weight balance	Weighing range 0.1mg—100mg, Sensitivity .1mg. Electronically controlled, digital monitor, closed cabinet for electronic weighing	1	
99.	Electrosurgical cautery (imported)	Automatic control output, Five kind of working model: Pure cutting, blend, Concreting, fulgerize, Bipolar Memory function with 10 memory places for different setting. This ESU should give alarm when the patient plate does not connect properly. The 1000KHz radio-frequency frequency with coagulation and cutting modes different sound alarms for different working modes. Bipolar with high efficiency smoke absorber.	1	
100.	Enamel tray rectangular	15 inch stainless steel make Indian Make	35	
101.	Endodontic excavator	Long shank excavator Light weight with durable steel tip, Imported	25	
102.	Endodontic Explorer	Long blade, Durable stainless steel, Light weight. Imported	7	
103.	Endodontic plugger/Heat carrier – plugger with handle	Double ended) size 20,30,35 Light weight with durable steel tip, Imported	12	
104.	Endodontics photo activated disinfection System	Wave length: 633nm with LED technology. Should be using with medical grade Tolumium chloride. 60 sec contact time with Tolumium chloride solution, 60-120 sec light activation time. Small and compact size for the chair side unit. Built in programs for Endo, caries, perio and other dental applications	1	
105.	Endomotor with reciprocating function	Endo motor with 1:6 Hand Piece. Battery powered, 2000 mAh, 6V. TORQUE VARIATION : 0.2 – 4.0 Ncm in continuous rotation. Speed: 1500 – 6000 rpm in continuous rotation. Operating Mode: Continuous Rotary and Reciprocation. At least 12 programs.	2	
106.	Exacto bite	Compatible with either wax or silicone bite registration materials. Blue (2mm) & White (4mm)	2	
107.	Extraction forceps	Light weight with durable steel tip Set of 8 foreceps.(imported)	3	
108.	Film Duplicator	<ul style="list-style-type: none"> <li>Accommodates 5" x 7", 5" x 12", and 6" x 12" films</li> <li>Power Supply: 110v or 220v</li> </ul> <p>duplicator for intraoral/extra oral films (Imported)</p> <ul style="list-style-type: none"> <li>Completed Exposure to be indicated</li> <li>Constructed of steel finished in durable baked enamel</li> <li>Can be used with any available duplicating film.</li> <li>Minimum 3 years warranty</li> </ul>	1	



109.	Film holder for Intra oral paralleling technique	With position indicating device and attachments for anterior and posterior teeth (autoclavable, Imported)	4	
110.	Film holders	For intra oral bisecting angle technique, autoclavable , imported	500	
111.	Flexible Denture Curing System	Works with Heat-cured, Microwave, Pour resins, Silicone soft liners and Thermoplastics. Injects Lucitone 199®, Lucitone® FRS® for flexible partials, Lucitone® Fas-Por™+ pour acrylic, Lucitone® Clear acrylic, Hy-Pro Lucitone® for quick set-up and Luci-Sof® soft liner. Includes: Injection Unit, Cartridge Sleeve, Flask Leveler, Flask Opener, Allen Wrench, Cartridge Plug, Material Cartridge, Injection Socket, (Pressure Piston), Success Piston Caps, Heat Seal Bags, Sprue Wax Sticks, Insulating Putty, Laboratory Matrix Putty, Starter Kit,	1	
112.	Floating Thermometer	For monitoring processing solution temperature. Should not contain mercury .Should be able to clip onto the tank.	1	
113.	Formalin chamber	Medium size/3 trays	4	
114.	Fox Plane	Aluminum Fox plane	10	
115.	Frassica typodonts	Pediatric, Mixed dentition & Adult	6	
116.	Glass bead sterilizer with beads	Indian Make with beads, auto-cut. AC 220v	6	
117.	Gracey curettes	Hu- friedy/Ash/ Equinox, double ended ,Nos.1/2 ,3/4, 5/6, 7/8, 9/10, 11/12, 13/14 Each	3	
118.	Gracey mini curettes	Hu- friedy/Ash/ Equinox, double ended ,Nos.1/2 ,3/4, 5/6, 7/8, 9/10, 11/12, 13/14 Each	2	
119.	Gutta Percha Cutter	Cordless device with interchangeable tips for fast, precise and safe cutting of excess Gutta Percha <ul style="list-style-type: none"> <li>• The loop on the cutting tip should provide easy access to the cavity and should catch the excess gutta percha exactly at the canal orifice and precisely cuts it off.</li> <li>• Fast recharging of the Ni-Cad power battery in the charging unit.</li> </ul>	5	
120.	Haematology autoanalyzer	<ul style="list-style-type: none"> <li>• Should be fully automated haematology analyzer providing 18 parameters including a 3 Parts differential, with user definable settings for RDW – CV – and RDW – SD</li> <li>• The system should give the differential count as Lymphocytes, mixed population and neutrophils while mixed population should include Eosinophils , Basophils and Monocytes .</li> <li>• The system should be capable of processing samples at a speed of 60 samples / hour.</li> <li>• The system should be sample rotary valve (SRV) based for the precise sample aliquoting for dilutions.</li> </ul>	1	

		<ul style="list-style-type: none"> <li>• The system should have auto probe wiper to clean the sample probe automatically after sample aspiration.</li> <li>• The system should use non – cyanide based reagent for Hb estimation.</li> <li>• System for the reliability of the results should have “Electrical Impedence “method of cell counting with an integrated temperature sensor for monitoring and compensating for shifts in room temperature.</li> <li>• The system should use to proven and approved “ Volumetric Metering “system of cell counting , for WBCs , RBCs AND PLTs for high precision of the results and stability of the calibration .</li> <li>• The system should have a system of count and aperture monitoring every 0.5 secs for precision and reliability of the counts.</li> <li>• The system should have automatic floating thresholds for the correct separation of RBCs and PLTs during overlap in cases of Microcytes/Large platelets.</li> <li>• System should not require any daily maintenance except daily shut down.</li> <li>• The system should automatically give an alarm to the operator for doing the maintenance.</li> <li>• The system should use of reagents only high intensity LED for Hb estimation ,</li> <li>• All reagents required should be available locally from the company or its authorized distributor.</li> <li>• 5 Years comprehensive warranty.</li> <li>• Free installation at user site.</li> <li>• Standard accessories as per catalogue.</li> <li>• Suitable UPS</li> <li>• FDS and CE certification</li> <li>• Working manuals</li> <li>• Should have authorized service centre in New Delhi / Delhi.</li> <li>• Equipment should be complete in all aspects to start working from day one.</li> <li>• UPS (minimum 30 minute back up) should be provided along with the automated</li> <li>• Biochemistry analyzer.</li> <li>• RO system of adequate capacity should be provided with Biochemistry autoanalyser.</li> <li>• Should have installation of the quoted instrument (Model) in at least 2 Govt. institutions</li> <li>• In NCR and provided evidence of the same in the technical bids.</li> </ul>		
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		<ul style="list-style-type: none"> <li>The firm should have adequate facility to provide proper warranty and maintenance of the equipment. Firm should also have service engineer based in New Delhi for this purpose.</li> <li>The machine should be operable with normal power supply input (220 – 240 V, AC, and 50 Hz) available at the Health Centre. Electrical safety standard should confirm to IEC/IS13450.</li> <li>The machine should have facility for flagging of abnormal results &amp; user programmable ranges.</li> <li>Documentation:</li> <li>Certificate of Calibration and inspection.</li> <li>User manual &amp; service manual in English.</li> <li>Log Book with instruction for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.</li> </ul>		
121.	Half Round plier	One round beak and other concave beak, round beak fits into concave opposite beak. For especially fine bendings. With individually replaceable hard metal tip. max. wire thickness: ø 0.5 mm, hard Stainless steel/ Imported	3	
122.	Hard Tissue Laser	<p>The laser unit should be Light weight and compact. Laser should have fast cutting facility. Laser should be in the Handpiece itself. 360° swivel head for complete freedom of movement within the oral cavity. Flexible cable for maximum treatment angles and feather-touch accuracy. Small head for better access and visibility within the oral cavity. A wide variety of handpieces, both tip and tip-less (a nondisposable option), as well as various application tips. Handpieces should be autoclavable up to 135 C (275 F).</p> <p>Laser Type: Erbium YAG  Wavelength : 2940 nm  Pulse Energy : up to 700 mJ  Power : up to 8.4 Watts on tissue  Mode : Hard and Soft Tissue Pulsed  Frequency : 10Hz – 50 Hz  Energy Transmission: Direct Delivery System  Spot Size: 0.2 – 1.3 mm  Electrical : Multi-Range 100 – 230 V AC, 13A, 5060 Hz, single phase  Sterility: Autoclavable Handpiece and Tips  Handpiece : 360° Swivel, Lightweight</p>	1	
123.	Hook crimping plier	Tip with V-shaped notch for holding and crimping sliding/clamping and stop tubes. Designed to crimp auxillary stops, hooks and posts to archwire. The slotted design fits over the base of the hook while holding it tight	2	

		during crimping.Stainless steel, Imported		
124.	Horizontal autoclave 135 Ltr.	<p>Double walled unit horizontally mounted on a sturdy, heavy M.S. duly painted or stainless steel tubular stand</p> <p>.Both inner chamber and outer wall made of S.S.</p> <p>Pressure adjustable from 10-20psi.</p> <p>Fitted with pressure gauge, safety valve and steam release valve.</p> <p>Available with separate boiler.</p> <p>For units fitted with S.S. Boiler, separate valves for injecting the steam into the main chamber and releasing the steam in atmosphere after use are provided.</p> <p>Automatic Vacuum Breaker is provided to break the vacuum in case of formation of vacuum due to steam condensation.</p> <p>Automatic Low Water Level Cut-off Device fitted for general safety of the element.</p> <p>Fitted with Automatic Pressure Control Switch.</p> <p>Fitted with Dial thermometer to indicate the inner chamber temperature.</p> <p>Lid is made of S.S. plate provided with radial locking system.</p>	1	
125.	Hot Plate	Stainless steel Indian hot plate/spatula	10	
126.	Hot water sterilizer (boiler type)	Medium size, stainless steel, non corrosive with auto cut off.	2	
127.	HOW Plier Straight	<p>2.5mm tips Matching serrated pads assure a firm, positive grip Rounded tips for patient comfort and safety</p> <p>Stainless steel, Imported</p>	7	
128.	HOW Plier Curved	<p>Curved beaks increase efficiency in posterior area Box joint</p> <p>Stainless steel, Imported</p>	7	
129.	Illumination system for Eye magnification loupes	<ul style="list-style-type: none"> <li>- Imported,</li> <li>- portable illumination system</li> <li>- With powerful LED light to visualize maximum details</li> <li>-Easy to operate with temperature regulation</li> <li>-Lightweight</li> <li>-Compact,</li> <li>-Comfortable to wear for daily use</li> <li>-Must fit in to supplement eye magnification loupes</li> <li>-Two brightness levels, with optimum light distribution without color gradients</li> <li>-Maximum 8 hours of operating time</li> <li>-Rechargeable battery supply unit</li> <li>-compatible with common disinfectant solution</li> </ul>	2	
130.	Impression trays Dentulous perforated	<p>Rim locked metallic (Ash/ kavo/similar) plastic colour</p> <p>coded assorted sizes set of max &amp; mand, 4 sizes each Set</p>	14	
131.	Impression trays Edentulous perforated	<p>Rim locked metallic (Ash/ kavo/similar) plastic colour</p> <p>coded assorted sizes set of max &amp; mand, 4 sizes each</p>	3	

132.	Instrument sterilization pouch & sealing machine	-With dual cutting & sealing action -Thermostatically controlled heater -Double blade cutter for easy & smooth cutting -With maximum cutting width 25cms -Adjustable width reel holder -Roll of sterilization paper pouches	5	
133.	Instrument tray	Non perforated, good quality aluminium, with lid, with slots for instrument keeping , small size, autoclavable	100	
134.	Intra oral camera 1.2 MP with software	<ul style="list-style-type: none"> <li>• It should have resolution of 680,000 pixels</li> <li>• It should have sensor: 1/4 inch CCD</li> <li>• It should have lens 0.02inch pin lens</li> <li>• It should have 1/4 pictures to divide up and change</li> <li>• It should have memory of 27x4 pictures</li> <li>• It should have VGA &amp; USB2.0 signal output</li> <li>• It could be used direct on TFT without CPU.</li> <li>• It should have 6 led for better visibility and image.</li> </ul>	2	
135.	Intra-oral photography mirrors( Set of 3 mirrors)	Rhodium coated front surface or highly mirror polished steel with anti-fogging spray/liquid (lingual, buccal, occlusal for adult and pediatric) (6 mirrors)	5	
136.	Intra-oral Sandblaster (Micro-etcher)	Etcher handpiece (fully autoclavable) with Autoclavable Nozzle (360° rotatable & interchangeable nozzles & Instruction Manual	2	
137.	IOPA X-Ray Machine	<ul style="list-style-type: none"> <li>• It should be High frequency DC X-Ray (Wall mount).</li> <li>• It should have smooth movement arm.</li> <li>• It should have branded X-Ray Tube.</li> <li>• Tube voltage should be 60-70 kvp variables.</li> <li>• Tube current should be 6 mA</li> <li>• Exposure time should be 0.01 to 2.00 sec.</li> <li>• Focal spot should be 0.8x.8 mm</li> <li>• It should have cone length of minimum 20 cm.</li> <li>• It should have standardized and programmable time.</li> <li>• It should have all international safety standards.</li> <li>• It should be AERB Type Approved.</li> <li>• It should be ISO certified and CE marked.</li> </ul>	1	
138.	Ivory no. 1 Retainers	Matrix retainer no 1, Stainless steel, Indian Make	35	
139.	Ivory no. 8 Retainers	Matrix retainer no 8, Stainless steel Indian Make	45	
140.	Jaquette sickle scaler	Hu- friedy/Ash/ Equinox, No. 1, 2 and 3, having medium sized blades	3	
141.	Kidney Trays	Light weight. Stainless steel make (Large & Medium size)	150	
142.	Kirkland knife	Hu- friedy/Ash/ Equinox, double ended	3	
143.	Langman's Tissue retractors	Stainless steel, imported	2	

144.	Lathe	AC, HP-1/2, and RPM-2800 with 2 Ball bearings metal cable arm. Machine should have low noise and high power, the rotational speed should reach up to 14,000 rpm.	2	
145.	Le'cron carver	Stainless steel make, sharp tip with good grip.(API or Similar)	10	
146.	Lead Screen	Movable X-Ray barriers for operator and patient protection, approximately 72" High x 28" Wide x 24" Deep, Protection approx : 0.5mm -.8mm Pb	1	
147.	Lead storage box	Composed of lead plate and iron plate. The lead equivalent is not less 0.5mmPb.	1	
148.	Ligature Tucker	Straight notched tip at one end for anterior brackets Angled notched tip at other end for posterior brackets Slot in tips is chamfered to avoid breakage of ligaturewires Tips are smoothed to avoid hurting tissue Stainless steel, Imported	7	
149.	Lingual Bracket Removing Plier	Narrow sharp tips, wedge between the edges of the bracket base & tooth surface to remove direct bond brackets. Stainless steel, Imported	4	
150.	Lingual Cinch Back	serrated tips of this instrument hold the wire securely while bending the wire 90 degree distal to the buccal tube. Stainless steel, Imported	4	
151.	Lingual Detailing Plier	Ideal for bends, bypasses and 2nd order bends. Makes 1 mm bends (in/out, up/down). Stainless steel, Imported	4	
152.	Lingual Double Ended Tucker	Ligature director with One end notched, one end curved. For directing archwires and ligatures. Stainless steel, Imported	4	
153.	Lingual Flush Cut Distal End Safety hold Cutter with T.C. - small	To cut flush with the end of the buccal tube, Minimum Cutting Capacity 012 (.30mm) & Maximum Cutting Capacity: archwires up to .016 x .025" Stainless steel, Imported	4	
154.	Lingual Flush Cut Distal End Safety hold Cutter with TC tip	To cut flush with the end of the buccal tube, Minimum Cutting Capacity 012 (.30mm) & Maximum Cutting Capacity: archwires up to .016 x .025". Stainless steel, Imported	4	
155.	Lingual Micro Miniature Ligature Cutter with T.C. tip	Small, narrow & sharp pointed TC tips; Maximum Cutting Capacity:soft wire up to .012 (.30mm). Stainless steel, Imported	4	
156.	Lingual Mini Ligature Cutter 50 degree Angle	Narrow tip is angled at 50° ; Maximum Cutting Capacity:soft wire up to .012 (.30mm) Stainless steel, Imported	4	
157.	Lingual Mosquito Forceps	Fine curved tips but strong enough for inserting archwires & excellent for placing elastomerics to lingual brackets. Stainless steel, Imported	4	
158.	Lingual Reverse Keat Bondable Tube Holder	Helps with accurate positioning of bondable tubes. Stainless steel, Imported	4	
159.	Lingual Stepped Archwire Plier	For torquing & bending both square & rectangular wires; Maximum Cutting Capacity: wire up to .021" x .025" (.55mm x .64mm) Stainless steel, Imported	4	

160.	Lingual Weingart 60 degree angle with T.C.	Small serrated tapered tips are angled at 60°. Stainless steel, Imported	4	
161.	Magnetic bur box	Autoclavable under the high temperature of 135C and pressure of 0.22Mpa , Imported	28	
162.	Mallet	Surgical mallet, medium size.Imported	3	
163.	Marquis colour coded probe	Hu- friedy/ Ash	2	
164.	MBT Gauge	Imported, precision machine handles,colour coded size,establishes proper bracket height, measured from bracket slot to incisal / occlusal surface of tooth	2	
165.	Micro-implant Kit	Micro Implants, Long hand Driver, Short Hand Driver, Hand Contra Angle Driver, Pilot Drill, Engine Driver, Driver Tips (Imported)	2	
166.	Micromotor handpiece	<ul style="list-style-type: none"> <li>• Micromotor Handpiece speed should be 22,000 to 27,000 RPM. Contra Angle</li> <li>• Compatible with Marathon Micromotor</li> <li>• NSK/Similar</li> </ul>	2	
167.	Micromotor heavy duty (Lab Duty)	<p>It should be brushless DC motor</p> <p>It should have Speed range of 1.000–50.000 rpm</p> <p>It should have High Torque of up to 7 N cm.</p> <p>It should be light wt not more than 220g</p> <p>It should provide optimal power for all types of crown, bridge and acrylic work.</p> <p>It should have min. noise and vibration</p> <p>It should have convenient compact size permits fatigue-free working even over many hours.</p> <p>It should have ultra-slim and ultra-light hand piece cable to give the user additional freedom of movement.</p> <p>It should have Dust tight ball bearings for dirt free &amp; longevitiy of bearing</p> <p>It should have Ergonomic design for Fatigue free work</p> <p>It should have aving overload protection with quick diagnosis LED With International safety certifications</p>	1	
168.	Micromotor with attachments	<ul style="list-style-type: none"> <li>• With Control box</li> <li>• With Foot pedal</li> <li>• With Contraangle Micromotor Handpiece: NSK/Similar</li> <li>• Marathon/Similar micromotor</li> </ul>	2	
169.	Mini Implant Educational Model	Clear soft model with two Mini-implants placed.	1	
170.	Model Arch Trimmer with Carbide Burs	Large, stainless steel work surface with generous venting for dust removal ; 1-1/2” (38mm) hose connection, connects directly to 1-1/2” vacuum hose.	1	
171.	Model Boxes (Set of 10)	Plastic, in different sizes for orthodontic models.	200	
172.	Models for teaching	Showing various gingival and periodontal diseases	2	
173.	Models for teaching	Showing caries and trauma	2	
174.	Module Placing Plier Curved	For tying stainless steel ligature or elastics interdentally, Stainless steel, Imported	5	
175.	Module Placing Plier Straight	For tying stainless steel ligature or elastics interdentally, Stainless steel, Imported	5	

176.	Moons probe	Stainless steel, double ended. Imported	60	
177.	Mosquito Forceps (straight)	Fully-serrated jaw and 5" working length, the narrow-pointed straight Stainless steel, Imported	8	
178.	Mosquito forceps Curved	Fully-serrated jaw and 5" working length, the narrow-pointed curved Stainless steel, Imported	6	
179.	Motorised Dental Chair Unit with Attachments	<p>The chair should have extra wide back rest and seat with seamless upholstery for total patient comfort. It should have movable right arm rest and double articulated head rest. Should have aluminum alloy chair to prevent rusting. Should have atleast 4 programmable working positions.</p> <p>Should have preset auto return to zero, spitting and last working position. Should have chair movement control from assistant side also. Should have a preprogrammed trendelenburg position for dental emergency. Should have synchronized movement of seat and back rest. Should have independent up/down movements. Should have safety system on chair base and backrest to prevent damage. Should have 3 axis rotation of chair light. Should have 9 variable luminous intensity from 8000 lux to 35000 lux. Should have fan in chair light assembly for cooling. Should have easy to clean removable handles. Should have continental delivery unit with overhead delivery. Should have x-ray viewer with automatic turn off. Should have removable &amp; autoclavable resting silicon pads. Should have high quality ceramic spittoon with programmable water input for spittoon &amp; cup. Should have assistant instrument table, fitted on articulated arm for suction. Dental stools for doctor and assistant. Should have a chair side trolley with modular components for storage. Should have internal spray electric motor with rotating speed of 60 to 400000 rpm with internal spray contra angle &amp; st. handpiece (Bein air/W&amp;H/similer) should have 1 fiber optic air turbine with handpiece (Bein Air/W&amp;H/Similer). Should have 1 push button air turbine with handpiece (Bein Air/W&amp;H/Similar). Should have inbuild piezon scaler (EMS/Satalac/Similar). Should have LED air cooled light cure unit on assistant side. Should have 3 functional 3 way syringes. Should have 3 functional 3 way syringes on assistant side also. Should have original TFT swivel clamp. Should have auto drain motorized suction.</p>	2	
180.	Mouth Mirrors Rhodium coated - anti-mist with handle	Mouth Mirrors Rhodium coated anti-mist. Durable stainless steel, Light weight. Imported	1820	
181.	Multi-Purpose Orthodontic Welder (Imported)	Feather type finger switch; progressive heat station for welding and auxiliary functions; Turret with one soldering and 4 welding electrode combination; Flexible soldering cable; Annealing jack; Foot switch welding and soldering	3	



182.	Naber's furcation probe	Double-ended, autoclavable, color coded at 3mm band	60	
183.	Nance Loop forming Plier	Precision loop forming with four-step tip (3, 4, 5, and 6mm) • Serrated tips prevent wire slippage Stainless steel, Imported	5	
184.	Needle Burner with syringe cutter	Compact Device, Portable, Very high grade imported steel cutter which does not rust or becomes blunt even after long usage. Removable discharge tray for disposal of needle ash and syringe hubs. Shock proof & fuse protection.	6	
185.	Needle holder	Good quality rust proof steel, medium sized (13 cm or less), with locking system and small & thin beaks.	15	
186.	Needle Holder - (Mayos fine, 5"	Fully-serrated jaw and 5" working length Imported	3	
187.	NiTi chilling instrument	Used with Heat Activated Wire. fill with water, freeze, and then used to chill the wire.	5	
188.	Nola Dry Field System - Saliva Ejector (Small & Large)	Totally dry field with absorbing pads and cotton rolls. System includes: Cheek Retractor, Silicone Tubing, Connectors	2	
189.	Non lead apron with gloves and thyroid shield	Indian make Light weight, double sided large size. .5/.25 mm lead	2	
190.	Operating Microscope	<b>MICROSCOPE BODY :</b> Motorized zoom magnification system with apochromatic optics, zoom magnification factors : 0.4x...2.4x, activation by handgrip and option of foot control panel. -Internal motorized fine focusing system, activation by handgrip and foot control panel, continuously adjustable working distance from 200 mm to 415 mm without exchange of objective lens, manual override -Integrated red-free green filter and orange filter -Integrated continuously variable illumination spot size 65mm to 11mm. <b>BINOCULAR TUBE :</b> -180-degree tiltable binocular tube with focal length of f=200 mm or more -Graduated knob for continuous adjustment of inter pupillary distance from 55 mm to 80 mm <b>EYEPIECES :</b> -Pair of high eyepoint widefield push-in (magnetic) eyepieces 12.5x -Diopter setting from -8D to +5D -Suitable for spectacles wearers <b>ILLUMINATION SYSTEM :</b> -Coaxial xenon illumination system 180W xenon with backup 180W Xenon with quick action lamp changeover, Illumination system should be integrated in the stand. <b>HANDGRIP :</b> -Easily removable handgrips with adjustable keys for zoom and focus	1	

		<p>-Four freely programmable keys for setting illumination intensity, controlling the integrated video camera</p> <p><b>FLOOR STAND :</b></p> <p>-Rollable floor stand on base with lockable castors, column with height of 1.70 m, carrier and swivel arms with large reach of 1.20 m</p> <p>-Free float magnetic system, Release of magnetic brakes by handgrips</p> <p>-Liquid crystal display (LCD) with user prompts</p> <p>-Quick set up &amp; Programming of different parameters and their activation at press of a button such as Zoom speed, Focus Speed, Starting illumination, Starting working distance etc. Automatic speed adjustment or automatic brightness setting depending on magnification, brightness of video image, magnetic brakes on/off</p> <p>-Suitable for connection to 230V 50 Hz single phase mains supply</p> <p><b>ACCESSORIES :</b></p> <p>-Angled optics with two side ports and rotatable adapter <math>\pm 22.5</math> degrees</p> <p><b>CCTV ATTACHMENT:</b></p> <p>-Advanced digital 3CCD video camera system with colour monitor</p> <p><b>STEREO CO-OBSERVATION ATTACHMENT:</b></p> <p>-Stereo co observation device with three axis rotation, straight binocular tube with focal length of 170 or 200mm and pair of high eye point, wide field push-in magnetic eyepieces 12.5x</p> <p><b>FOOT CONTROL PANEL :</b></p> <p>-Foot control panel with control keys for zoom and focus</p>		
191.	Orban's knife	Hu- friedy/Ash/ Equinox, double ended		
192.	Orthodontic Bracket Positioning Device	Digital Indicator and Caliper with clear LCD displays, allowing bracket-positioning up/down by increments of 0.01mm, Spring loaded Bracket Attachment Jaws, Black granite stand measuring 280 x 200 x 40mm, flatness 2 $\mu$ m. Stainless steel, Imported		
193.	Patient beds	<p>Mechanically Operated</p> <p>Back – Rest, Knee rest, Trendelenburg/Reverse Trendelenburg positions by Screw System.</p> <p>Four sectional Uniformly Perforated CRCA Sheet Top</p> <p>Frame made of Strong Rectangular CRCA pipe</p> <p>ABS Bows / S. S. Bows at Head and Foot End</p> <p>Powder Coated Half Length Collapsible Side Railing, One IV Rod Height adjustable</p> <p>Four Revolving corner buffers</p> <p>Four 125 mm Castors, Two with Brakes</p> <p>Four 125 mm Castors, Two with Brakes</p> <p>Pre-Treated and Epoxy Powder Coated</p>		

		Bed size: 210L x 100W x 60H cms High Quality		
194.	Patient shifting trolley	Overall Size : 180L x 56W x 81H cms Frame work made of tubular M.S. Pipe Swing away type Safety Side Railing Adjustable I.V. rod, Utility Tray, Cylinder Cage Removable Stretcher Top Foam padded Top Trolley mount on 15 cms Dia Casters – Two with Brakes Epoxy Powder Coated Finish.	2	
195.	Periodontal curette	Set of Gracey curretes. Stainless steel, Imported	3	
196.	Periodontal Probes	WHO & Williams. Stainless steel, Imported	8	
197.	Periosteal elevator	Hu-friedy/ Ash/ Equinox, Small headed , double ended. Stainless steel, Imported	19	
198.	Periosteal elevator - (small/ )	Hu-friedy/ Ash/ Equinox, Small headed , double ended. Stainless steel, Imported	10	
199.	Piezoelectric bone cutting unit.	ultrasonic surgical system with handpieces and associated tips for cutting bone and bone substitutes. <b>Progressive, multifunction foot pedal, LED handpiece of</b> atleast 60 watts of power. Four power setting modes: 3 for bone cutting based on bone density and 1 for soft tissue detachment. <b>Cutting tips. Console</b> –touch-sensitive LCD screen – Cable connectors for atleast two hand pieces with:– Two peristaltic pump housings – Two brackets for irrigation solution	1	
200.	Pin & Ligature Cutter	Accuracy right to the tip for smooth cutting of soft ligature wires. With hard metal tips replaceable by the manufacturer. Sharpening of inserts possible by the manufacturer. We do not recommend using the front third of the cutters for cutting wires with the maximum indicated thickness! max. wire thickness: ø 0.4 mm, soft Concave design front for maximum vision when cutting, used for cutting pins and ligatures. Stainless steel with TC tip, Imported	5	
201.	Plaster cutter	Metallic, spring loaded Hu Frie Henry Schien/ similar dy	6	
202.	Plaster dispenser	Electrically controlled unit for dispensing required quality of plaster at steady rate with On/Off control switch. Capacity-10kg, wall mounted. With International safety certifications	1	
203.	Plaster Mixing Spatula	Metal with minimum 4 inches long wooden handle- Straight	17	
204.	Plastic filling Instruments	Durable stainless steel, Light weight. Imported	60	
205.	Pneumatic Crown puller	Air activated and breaks cement seals using short, repeated and low impact force. It should be a hand-held instrument that attaches to high or low pressure air line connections. (Planmeca/ Similar)	1	

206.	Polishing Compact Unit (lathe with suction unit)	Lathe with suction unit having Illuminated with neon lamp, Gates to close off the suction on the unused side; 2 Safety screens, transparent and adjustable; Ergonomic store for instruments.	1	
207.	Portable Conscious Sedation Equipment	Standard Head Deminsions: 9.75" (24.8cm) x 5"(12.7cm) x 12.5" (31.8cm) Floor model with five leg base, <ul style="list-style-type: none"> <li>Mixed Gas Outlet Diameter: 15mm ID / 22m OD normal</li> <li>Oxygen Inlet: Male DISS (CGA-1240)</li> <li>Nitrous Oxide Inlet: Male DISS (CGA-1040)</li> <li>Inlet Pressure (Each Gas): 50-55 psi</li> <li>Oxygen Flow Range: 3 - 10 lpm</li> <li>Nitrous Oxide Flow Range: 0 - 10lpm</li> <li>With Safety features-</li> <li>N2O cut off in case failure of Oxygen supply.</li> <li>Low Pressure Oxygen Audible Alarm</li> <li>Imported</li> </ul>	1	
208.	Portable IOPA machine	<ul style="list-style-type: none"> <li>Portable and compact</li> <li>Wireless DC X-ray</li> <li>Rechargeable lithium-polymer battery</li> <li>60 kV/2 mA tube</li> <li>With LCD display</li> <li>IOPA film and RVG sensor compatible</li> <li>Internally lead coated to prevent excess exposure and dispersion of radiation</li> <li>With patient and tooth selection mode</li> <li>Imported</li> </ul>	1	
209.	Portable T.E.N.S. AND E.M.S. Therapy unit	Channel- 4 electrodes Pulse rate-1 Hz to 150 Hz adjustable Pulse Width Adjustable, from 50 to 300 microseconds, $\mu$ s/step On Time Adjustable, Off Time Adjustable, 0~90 seconds Ramp Time Adjustable, Continuous, 15min, 30min, 45min, 60min selectable Power source Rechargeable batteries Weight-- light weight (less than 500gms) with battery. Minimum-5 TENS modes Minimum- 3 years warranty F.D.A. approved	1	
210.	Posterior Band Removing Plier	For removing molar bands, Stainless steel, With replaceable plastic tip. With replaceable hard metal tip imported.	3	
211.	Pressure moulding machine	Medium wave, time-controlled infrared heater, programmed cooling phase, 2 bar working pressure, range of plates / foils of 0,1 – 3,0 mm, heating of the material side which is placed directly over the model, large model cup and ergonomic pellet container. Simple and functional "one-switch operation". AC: 230 V / 115 V, 340 W Pressure: 0,1 – 2,0 bar Measurements: 230 x 200 x 450 (l x w x h) Weight: not more than 7.5 kg	2	

212.	Projection microscope	<b>Specification of Projection microscope</b> <ul style="list-style-type: none"> <li>• Imported</li> <li>• CE and FDA certification.</li> <li>• Onsite service</li> <li>• 3 year comprehensive warranty.</li> <li>• Demonstration of the equipment must be provided, prior to purchase.</li> <li>• Microscope specifications</li> <li>• Eyepiece: Locked WF10X/18mm</li> <li>• Nosepiece: Quatruple revolving with positive click-stops</li> <li>• Standard ObjectivesMotic : 4x, 10x, 40x, 100x</li> <li>• Stage : Built-in Mechanical Stage with low-position coaxial controls</li> <li>• Condenser: Spiral-mount focusable 1.25N.A. Abbe Condenser</li> <li>• Illumination; 12V 20W Halogen with dimming control</li> <li>• Power Supply: Variable Voltage Power Supply 110V-240V</li> <li>• Camera specifications</li> <li>• Chip Configuration: Built-in Live 1.3MP Imaging Chip</li> <li>• Data Output: USB2.0</li> <li>• Power Supply: Through USB Cable from Computer</li> <li>• Included Software: PC and for Macintosh</li> <li>• Included Accessories: Calibration Slide for accurate measurements; Dust Cover; Immersion Oil</li> </ul>	1	
213.	Pulp tester	<ul style="list-style-type: none"> <li>• It should be capable to tests pulp vitality of an injured/non injured tooth</li> <li>• It should have three Preset speed mode (high-mid-low speed)</li> <li>• It should be easy to operate</li> <li>• It should have specifically designed for patient comfort</li> <li>• It should be Convenient to operate</li> <li>• It should have Maximum stimulus-80</li> <li>• It should have automatic off function after three minutes</li> <li>• It should be operated through 9 Volt long life high output batteries</li> </ul>	2	
214.	Pulse oximeter	<p>Should have following features: Light and compact handheld design High resolution, 2.4" color display Rotating screen for maximum clarity Visual &amp; sound alarms IPX1 level protection against liquids Uses AA size alkaline or rechargeable batteries Supplied with clip and case to attach to pillow Technical Specifications Patient Range Adult, Pediatrics and neonatal patients</p> <p>Digital SpO2 Range- 0 - 100% Resolution 1% Accuracy 70% to 100%: <math>\pm 2\%</math> Refreshing rate &lt; 13 seconds</p>	3	

		Pitch Tone -Yes Pulse Rate <ul style="list-style-type: none"> <li>Range 25 - 250 bpm</li> <li>Resolution 1 bpm</li> <li>Accuracy <math>\pm 2\%</math> or <math>\pm 1</math> bpm, whichever is the greater</li> <li>Refreshing rate &lt; 13 seconds</li> </ul> DisplayType 2.4" color display 320 x 240 pixels Parameter Digital SpO <sub>2</sub> , Pulse Rate, Pleth bar & SpO <sub>2</sub> waveform Alarm Audible alarm, audible button tone Supports Pitch Tone and multi-level volume Alarm tones meet the requirement of IEC 60601-1-8 Appearance Dimension 123mm (H) x 58.5mm (W) x 28mm (D) Weight < 200g Data Storage Display Trend table Trend interval 2 seconds to 30 minutes Trend parameter PR, SpO <sub>2</sub> Trend data spot-check mode: ID from 1 to 99, 300 records for each ID Battery Type 3 AA Alkaline batteries or NI-MH rechargeable battery (optional) or Lithium ion rechargeable battery (option) Runtime 14 hours standard use Nellcor SpO <sub>2</sub> probe-compatible SAFETY STANDARDS <ul style="list-style-type: none"> <li>CE classification: IIb</li> <li>Type of protection against electric shock: II, with internal power device</li> <li>Degree of protection against electric shock: CF</li> <li>Degree of protection against ingress of liquid:</li> </ul>		
215.	Rectangular archwire bending plier	Ideal for forming square and rectangular archwires <ul style="list-style-type: none"> <li>Thin jaws are parallel at .020" opening</li> <li>Forms offsets and 90° bends on all types of arch wire. Stainless steel, Imported</li> </ul>	4	
216.	Ribbon Arch Plier	Designed for arch forming,for placing 1 <sup>st</sup> ,2 <sup>nd</sup> ,3 <sup>rd</sup> order bends,blade width 0.070.wire upto0.022X0.025. Stainless steel, Imported	5	
217.	Rongeurs	5 mm tip, Stainless steel, autoclavable, imported	6	
218.	Rubber base gun	for 50ml automix cartridges (3M ESPE/GC/Coltene/similar)	1	
219.	Rubber bowl	Medium size, Flexible plastic materials, washable for repeated use, Indian	30	
220.	Rubber dam complete kit	Dental dam complete kit winged & wingless with colour	1	

		coded clamps, punch, template & retainer (Hygienic/similar)		
221.	Self Adhesive electrodes for TENS AND E.M.S. UNIT	Reusable round approx 32mm diameter compatible with the above mentioned TENS and E.M.S. Unit	100	
222.	Semi automatic microtome	<p>The instrument should have Motorised feeding system with manual sectioning with rocking mode facility and ability for voltage selection, 2<sup>nd</sup> hand wheel brake, separate control panel for display, Blade Holder, Disposable blades Low Profile, Vee insert for round specimens and universal block holder with following specification .</p> <ol style="list-style-type: none"> <li>1. Section thickness setting:- 0.5 to 100 <math>\mu</math>m</li> <li>2. Setting values :- 0.5 to 5 <math>\mu</math>m in 0.5 <math>\mu</math>m increments <ul style="list-style-type: none"> <li>5 to 20 <math>\mu</math>m in 1 <math>\mu</math>m increment</li> <li>20 to 60 <math>\mu</math>m in 5 <math>\mu</math>m increment</li> <li>60 to 100 in 10 <math>\mu</math>m increment</li> </ul> </li> <li>3. Horizontal specimen feed: - 28 mm +/- 1 mm. feed motion via step motor.</li> <li>4. Coarse feed :- Motorised coarse feed in two steps <ul style="list-style-type: none"> <li>i.e 300 <math>\mu</math>m /sec and 900 <math>\mu</math>m /sec.</li> </ul> </li> <li>5. Vertical specimen stroke length: - 70 mm.</li> <li>6. Specimen orientation: - Horizontal 8 deg., Vertical 8 deg.</li> <li>7. Trimming Section thickness :- 1 to 600 <math>\mu</math>m</li> <li>8. Specimen retraction: - 5 to 100 <math>\mu</math>m in 5 <math>\mu</math>m increment can be turned off.</li> <li>9. Voltage supply: - 230 V-50/60 Hz.</li> <li>10. Demonstration at installation site is required.</li> <li>11. Performance certificates from 3 government institutes who have purchased a similar model within last 2 years.</li> <li>12. 50 nos low profile 50 nos of high profile disposable blades must be provided</li> <li>13. 5 year comprehensive warranty.</li> </ol>	1	
223.	Set of Extraction Elevators	<ul style="list-style-type: none"> <li>• Atleast 10 different elevators in 1 set</li> <li>• Made of German Stainless steel</li> <li>• Rust Resistant</li> <li>• Light weight</li> <li>• Imported</li> </ul>	4	
224.	Set of Gracey currettes	Universal / Imported	2	
225.	Set of pedodontic extraction forceps	Set of 10 forceps or the upper and lower, anterior, and posterior. Highest quality German stainless steel , Imported	5	

226.	Short Cycle Autoclave	High-Speed Sterilization, built-in water treatment system	1	
227.	Sinus lift osteotome set(hu – friedy type)	Osteotome Kit for the specific closed sinus lift technique with a <b>Bone-Spreader convex, straight</b> 2,7 mm to 5mm <b>Bone-Spreader convex, angulated</b> <b>2.7 to 5mm width</b> <b>Bone-Pusher straight</b> 2,7 mm to 5mm <b>Bone-Pusher angulated</b> 2,7 mm to 5mm width <b>Bone-Shaver concave, straight</b> 2,7 mm to 5,0 mm <b>Universal handle and cassettes.</b>	1	
228.	Slide box 5 slide	Plastic boxes with 5 slots to the histopathological slides with lockable lid.	12	
229.	Small scissors	Small sized, Curved Light weight with durable steel tip	60	
230.	Soft tissue laser system	Power- atleast 10 Watts, Wave length - 810/980 nm. Touch Screen Monitor with password protection. 22 preset treatment programs, Facility to create and modify new/old programs Wireless foot control, should have both pulse and continuous mode User friendly software for more precision and faster surgery Long hours of battery backup Built up tutorials for first time laser users as guide for efficient usage High light emitting, auto cooling, ergonomic design, digital technology, weight less than 2 kg, 3 years warranty Package should contain : Laser unit, 3 numbers of safety goggles, spool fiber 200 and 400 micron, autoclavable hand piece, multiple tip fiber, 25 Numbers of fiber tips, bleaching accessories ,carrying case, user manual, procedure CD Hertz rate in pulse mode: 1-5000Hz Pulse Interval: 0.1ms-9.9s Pulse duration: 0.1ms-9.9s Duty Cycle: Adjustable Autoclave: Hand Piece autoclavable AC-100-240V/60 Hz Lithium Battery, 3.7-4.2V 10AH Wireless Pedal: 1-5V Battery Used for soft tissue surgery, Implantology, therapy, Periodontology, Endodontics, aesthetics	5	
231.	Spirit Lamps	Spirit Inflammable lamps	27	
232.	Spoon excavators	Double ended, good quality steel, small and medium sized working tips/ends	188	
233.	Standard Head Cartridge for NSK handpiece	NSK original standard head for pana – Air model	20	
234.	Steam cleaner	<ul style="list-style-type: none"> <li>Automatic shut-off - with low water light indicator</li> <li>Use regular tap water</li> </ul>	1	



		<ul style="list-style-type: none"> <li>• Pressure gauge manometer</li> <li>• 50 p.s.i. operating pressure = DRY STEAM</li> <li>• 12 gauge heavy-duty wiring</li> <li>• Ceramic terminal block</li> <li>• Stainless steel tank and outer casing</li> <li>• Quick disconnect fittings for steam hose</li> </ul> <p>With 3 years warranty by manufacturer/supplier</p>		
235.	Stethoscope	Noise Reduction technology and sound amplification. littmann or similar.	2	
236.	Straight probe	Durable stainless steel, Light weight. Imported	1320	
237.	Strip Holding Forceps	For holding orthodontic abrasive strip Diamond coated barrel tip	2	
238.	Surgical (small) scissors	High quality steel , sharp edges, with fine tip, straight and curved	9	
239.	Surgical Bins/Drums for autoclave	SS make 350 x 240 mm dimensions(approx) Latches present to lock	13	
240.	Surgical instrument trolley	<ul style="list-style-type: none"> <li>• Overall size (approx) :- L x B x Ht. = 710mm x 460mm x 830mm</li> <li>• SS frame</li> <li>• Trolley mounted on wheels</li> </ul>	19	
241.	Surgical Kidney instruments tray (Shallow type)	Fine Grade SS 250mmx150mmx40mm	50	
242.	Surgical Loupes (Galilean)	<ul style="list-style-type: none"> <li>• It should have the widest field of view and longest depth of focus.</li> <li>• It should be excellent clear view and great optical capability to provide the operator with the optimal magnification while providing extended field of view.</li> <li>• It should have a flip up facility.</li> <li>• It should have a Magnification of 3.5X</li> <li>• It should have Working distance 420mm</li> <li>• It should have 90mm Depth of view</li> <li>• It should have 100mm Field of View</li> <li>• It should have Weight not more than 42g</li> </ul>	3	
243.	Surgical rectangular instruments tray with Lid	<ul style="list-style-type: none"> <li>• SS make</li> <li>• Length x width x height 350 x 250 x 50 (approx)</li> </ul>	35	
244.	Surgical scissors	Goldman fox scissor, small in size	12	
245.	Surgical Suction Apparatus with Surgical Nylon suction pipe	<ul style="list-style-type: none"> <li>• Silent</li> <li>• Vacuum 700 mm/hg</li> <li>• Volume 25-30liter/minute</li> <li>• Jars- Graduated Glass wide mouth jar (capacity 2-3 liter approx) with synthetic rubber lids</li> <li>• Body- M S spot welded with SS top</li> <li>• Power – 220-230 V</li> </ul>	2	
246.	Suture cutting scissor ( Medium)	High quality steel , sharp edges, with fine tip	4	

247.	Suture cutting scissors ( small)	High quality steel , sharp edges, with fine tip	7	
248.	Table top water distiller	<ul style="list-style-type: none"> <li>• It should be economical cost saving production of 100% distilled pure water</li> <li>• It should have Automatic temperature thermostat control.</li> <li>• It should have automatically switches OFF when the process is finished.</li> <li>• It should be Easy to operate and easy to clean</li> <li>• It should have tank capacity not less than 4 liter.</li> </ul>	2	
249.	Three Plane Articulators	3.5" disk type, Indian Make	2	
250.	Three prong pliers	For bending wires/arches for the fixed appliance technique. Specially suited for bending NiTi wires/arches such as rematitan® "LITE" and Tensic®. max. wire thickness: ø 0.5 mm, hard, F 0.48 x 0.64 mm / 19 x 25 Stainless steel, Imported	2	
251.	Tissue forcep	Hu- friedy/Ash/ Equinox, small working head, toothed and without tooth	8	
252.	Tofflemire retainers	Matrix retainer for tofflemire band, stainless steel, Imported	50	
253.	Top Loading Autoclave	Triple walled construction, all the three walls made of thick high grade stainless steel sheet of SS-304 grade. The lid should be made of stainless steel sheet. The unit should be fitted with radial locking system with paddle lifting device, made of MS chrome plated. Should be provided with built- in safety valve, pressure gauge, pressure release valve and water level indicator. The pressure should be adjustable from 5 psi to 20 psi with automatic pressure control switch, which controls the pressure with an accuracy of +- 1 psi. Working Pressure: Variable from 5 psi. to 20 psi. Working Temperature : 121° C. 98 Liters	2	
254.	Torquing Key	For placing the torque in the arch wire Stainless steel, Imported	5	
255.	Tracheostomy kit	Senn-Green tracheal retractors, Trousseau's tracheal dilator 5" (14cm) Chevalier-Jackson's tracheal tubes with pilot one inner tube 16 to 34 french gauge, 10 sizes normal radius, Magill's catheter introducing forceps, adult 10" (25cm), Child 8" (20cm), Senn-Miller tracheal retractors, double ended.	1	
256.	Turbo Bite (5 pack of 100)	For anterior teeth: stainless steel , modifications of incisor bracket placed lingually for bite opening	5	
257.	Turbo Bite (5 pack of 100)	For posterior teeth: stainless steel , modifications bite blocks for anterior disocclusion	5	
258.	Turret	Torque angle 5 and 7, 5 grooves: Angle 5 for 0.019"-0.022" rectangular wire, Angle 7 for 0.017"-0.018" rectangular wire , High quality stainless steel. Precise slot size. For forming	4	

		flat or angled rectangular(with torque). Imported		
259.	Tweezer	Durable stainless steel serrated tip, Light weight. Imported	900	
260.	Typodont with Metal and non metal teeth	A compact fully functional articulator that allows the study of various jaw movements. Teeth may be banded or bonded as desired (Indian Make)	2	
261.	Ultrasonic cleaner	<p>Tank should be made of high quality rust proof, stainless steel. Outer body should be made of High strength, stain proof and scratch proof aesthetic plastic. Unit should have load sensor for automatic power feeding. Unit should have high quality heat sink technology without cooling fans. Unit should have no tank reversal- knob activated drainage system. Unit should have 15, 30, 45 and 60 in tandem timer. Noise level should not exceed 65 dB</p> <p>Unit should consist of the following Main/accessories:</p> <ul style="list-style-type: none"> <li>• Main base unit, fixed steel tank, tank cover and power cable</li> <li>• Extra long drain tube to dispose of contaminated used solution</li> <li>• Cross flow, 5 section finger guard instrument basket</li> <li>• One accurate self measuring bottle of each solution: Super concentrate general purpose cleaner, Enzymatic Solution, Germicidal Cleaner (effective to kill HIV virus), Cement remover solution</li> <li>• Tank Capacity: 14 litres to 15 litres</li> <li>• Tank Fill up capacity: Min.75% of tank capacity</li> </ul>	3	
262.	Ultrasonic scaler	<p>-Imported &amp; portable, - peizo electric type - With large capacity self-Irrigation tank (approx Capacity 300-400 ml) compatible with commonly used chemical irrigants, - multiple power settings -With tip changers - Complete kit of scaling tips and subgingival inserts of all shapes &amp; sizes Frequency of 15-18 lacs cycle per minute – Autoclavable tip holder -Autoclavable box for tips - Easy to clean –Autoclavable Handpieces -Foot control -Esthetic and durable</p>	11	
263.	Ultrasonic scaler with 3 functions of Scaling, polishing and Endo.	<p>-Imported &amp; portable, -With large capacity self- Irrigation tank (approx Capacity 300-400 ml) compatible with commonly used chemical irrigants, - powered by iPiezo engine - Digitally controlled -With tip changers - Complete kit of scaling tips, subgingival inserts and endo tips of all shapes &amp; sizes, with polishing kit -</p>	2	

		Autoclavable tip holder -Autoclavable box for tips -With automatic cleaning function – with polishing function –Autoclavable hand pieces -With Inbuilt compressor		
264.	Universal curettes / each	Hu- friedy/Ash/ Equinox, 4R/4L, 2R/ 2L, double ended	2	
265.	Universal Bracket Altimeter-Boons Gauge	Autoclavable stainless steel metal,Imported, for precise bracket positioning (3.5, 4.0, 4.5, 5.0 mm)	2	
266.	Universal Plier	Plier with round and square beak used for removable appliance, Stainless steel, Imported	11	
267.	Universal scaler	Hu- friedy/Ash/ Equinox, No. 204 of 3 different sizes. Stainless steel, Imported	7	
268.	Universal suction machine	With three modes to supply electricity: alternating current and batteries Body highly resistant to shocks or resistant to shocks or scratches. -4 very resistant wheels (1 of them antistatic and 2 of them with brakes). -On/Off switch. -Suction control knob. -Cable length: 3 m. -Pump: Long life piston type, oil free maintenance not required. -1 or 2 PC4 collection jars, polycarbonate (4 L, scale up to 3,500 ml) with safety valve to prevent overfilling -1 bacteria filter with each jar. Hydrophobic PTFE filter. It Guarantees a particle retention efficiency of 99.95% and a bacterial challenge efficiency of 99.99%. -3m PVC suction tube (Internal diameter: 8 mm, external: 13mm). Maximum pump flow: 70 L/min -maximum vacuum: 93kPa – 933 mbar – 700 mmHg -PowerL:250W -Voltage 200-240 V (50-60 Hz). Available 100-120V Dimensions:960 x 430 x 340mm. Weight: 25 kg All parts coming into contact with secretion are autoclave safe 120V Dimensions:960 x 430 x 340mm. Weight: 25 kg All parts coming into contact with secretion are autoclave safe	2	
269.	UV Sterilizer	<ul style="list-style-type: none"> <li>• It should have original philips UV light</li> <li>• It should have 12 stainless steel trays</li> <li>• It should have a switch for auto light on / off</li> <li>• It should have rusting proof body</li> </ul>	1	
270.	V bend forming Plier	Special design makes 1mm “V” bends to shorten arch wires or provide a positive stop Excellent for placing stops in nickel-titanium wires Stainless steel, Imported	5	
271.	Vibrator	It should have 2 ring that are highly resistant to corrosion, are electronically regulated, with a removable rubber cover. With 3 years warranty by manufacturer/	1	

		supplier.		
272.	Ward screen	Metal frame with green cloth partitions, foldable with wheels/ casters	13	
273.	Wax Knife	Double ended, wooden handle, Indian Steel, (API or Similar)	30	
274.	Wax Spatula	Double ended, Indian Stainless Steel	30	
275.	Wein Gart Pliers	For insertion & removal of arch wire. Tips should be angled and serrated for better grip. Stainless steel, Imported	5	
276.	Welder	The 660-XP Multi-Purpose Welder is a small, versatile, economical chairside unit created to fulfill the multi-purpose requirements of appliance fabrication. It occupies minimum counter space and its light weight makes it appropriate for chairside or mobile use. Electrodes align automatically and accessories add versatility to appliance fabrication. Black color only. It carries the CE mark, which satisfies the most stringent technical and safety regulations. Electrical, size and weight data <ul style="list-style-type: none"> <li>• Solid state circuitry</li> <li>• Size: 6 1/2" wide x 10 1/2" deep x 6 7/8" high (16.5cm x 26.7cm x 17.4cm)</li> </ul> Net weight 8 lbs. 12 oz. (4.0 kg) Imported	3	
277.	Wheel Chair folding	Features Robust Steel Framework Double X-Brace hinges assembly With Arm rest and Foot Rest 150mm solid front castor's Rear solid Rubber tyres Seat and Back of Tetron Fabric Hand Brakes A support Belt provided at Footrest level Measurement : 1045mm L x 680 mm W cx 910 mm H, seat size 425mm x 425mm x 425mm.	2	
278.	WHO probe/ CPITN –C probe	Ash, Equinox, clinical type- with markings till 11.5mm, single ended	15	
279.	William's periodontal probe	Ash, Equinox, clinical type- single ended Stainless steel, Imported	220	
280.	Wire cutter (heavy duty TC tipped)	Tungsten carbide insert. maximum cutting capacity hard and soft wire up to 1.5mm, Imported	7	
281.	X- ray clips	For IOPA films, stainless steel with 12 clips.	5	
282.	X ray viewer( LED)	Digital LED display, high brightness of more than 4000lux, light frequency above 50KHz. Indian make for OPG films	7	
283.	X-ray Film Dryer	X ray film drying cabinet with standard ISI mark heating blower which is suitable for Intra oral radiographs hanger and X-ray films of size 8 inches, 10 inches 14 inches to 17 inches. It should be corrosion resistant with slots for individual film hangers with capacity to accommodate at least 15 film hangers.	1	
284.	X-ray film processing tank	Stainless steel electric manual processing insulated and anticorrosive tank for film sizes 4 inch by 4 inch to 14 inch by 17 inch, with master tank (with lid) to accommodate tanks volume of 9 ltrs for developer, rinser and fixer (with lid) and running water of 13.5 ltrs, with	1	

		automatic temperature control for developer, rinser and fixer which is adjustable between 18degree and 28 degree centigrade. Emptying system and drainage system for master tank and developer, fixer and rinser tanks with stop cock. Valve with overflow system, with flexible tube connections and fuses.		
285.	X-ray film Holder	High quality Plastic for bisecting angle technique. Imported	5	
286.	X-ray viewer ( LED Based )	Large size- ( to enable viewing 4 CT/MRI films together) Height- 22 inches (Approx) Length-64inches (Approx) With min- 3 year warranty	1	

## SPECIFICATIONS & ALLIED TECHNICAL DETAILS

### LIST OF THE MEDICAL EQUIPMENTS

S.No.	Name of Items	Specification	Estimated Quantity	Bidders Compliance  Complied/ Not Complied
1.	BP apparatus, ANEROID, Shphygmomanometer)	ANEROID Sphygmomanometer (Superior Quality Imported)	30	
2.	Electronic balance	Digital electronic balance, capable of weighing upto 500 g	2	
3.	Fume/chemical hood	Constant Volume no larger than 6 fit in length, equipped with fume hood flow alarm. The work surface of the bench is recessed ½ inch or more below the front edge of the bench, and the sides and back of the bench are provided with a seamless vertical lip ½ inch high. An airfoil with a 90° arc with a minimum radius of 1- ½ inch.	1	
4.	Incubator	Temperature range – 8° c above ambient to 60°, capacity – 12 cu. Fit.	1	
5.	Microscope Binocular	Binocular head, 30 degree inclined 360 degree rotating, wide field eyepieces 10 x, 20 mm. One eyepiece with pointer, reverse mounted quadruple revolving nosepiece, achromatic super contrast lens in objectives 4x, 10x, 40x, 100x oil, Coaxial coarse and fine focussing system with tension adjustment, built in low position coaxial mechanical stage, Focusable condenser, Numerical aperture 1.25 with iris diaphragm. LED illumination 3W with intensity control, (Olympus / similar).	20	
6.	Museum jars	Made of glass with lids ( borosil make ) (Ht x Lt x Br) in cm 27x25x12----- 36x15x10----- 25x25x12----- 25x16.5x14-----	20	
7.	Oven	Triple walled, made of SS 304, range- 50o - 400° C with accuracy of ± 2° C controlled by digital temp. controller cum indicator	1	
8.	pH meter	3½ Digit LED display range, dimensions – 80mm (H) x 235mm (W) x 150 MM (L), accuracy: ± 0.02 pH ± 2 least count	2	
9.	Rotor (Remi centrifuge)	Remi centrifuge rotor with 8 and 12 slots, model R4C	2	
10.	Slide boxes	Plastic box of 100 slides (two rows of 50 slots each)	5	
11.	Slide storage cabinet for approx.1000 slides	Horizontal, Acrylic cabinet with Removable ten plastic trays 9 x 100 mm with 100 slots for fitting slide, each tray fitted with index holder. Slots are numbered 1-50 Cabinet cover in clear acrylic.	3	
12.	Specimen Buckets	HDPE (high –density Polyethylene) plastic Drums with full open top lids - 15 Ltr., 35 Ltr., 75 Ltr.	10	
13.	Spectrophotometer	Digital readout of % T., O/D. Conc, Source:- Helogen & D2 lamp, cut off filter IR, Resolution:	1	

		0.1% in % T., & 0.00j in O.D., 1 in 999 for conc, spectral bandwidth 3nm, 3 position cuvette holder : zero, blank & sample, low volume sample : 1ml, sleek, corrosion proof fiber body with aluminum based.		
14.	Stethoscope	Ambient Noise Reduction technology and sound amplification. littmann or similar.	15	
15.	Water bath	Double walled chamber has inner made of SS and outer made of MS with powder coating, A high speed stirrer with a motor of 1/20 H.P, Tem., range 5 <sup>o</sup> C above ambient to 100 <sup>o</sup> C with accuracy of $\pm 0.5^{\circ}$ C	3	



**FORMAT****PRICE BID SCHEDULE**

1. Tender No :
2. Name of Supplier:
3. Rates for items given as per technical specifications at Annexure-III and adhering to the Format given below is a Pre-requisite for considering quotations:

<b>S. NO.</b>	<b>Description of complete equipment with all accessories</b>	<b>Unit Price</b>		<b>Total Cost</b>	
		<b>INR</b>	<b>USD</b>	<b>INR</b>	<b>USD</b>
1	Equipment  Accessories  Optional  Upgrades  Warranty				
2	Sales tax & other taxes				
3	Excise duty, if any				
4	Customs duty, if any				
5.	Packaging & forwarding charges, if any				
6.	For Octroi, if applicable, necessary certificate will be issued				
7.	Training cost, if any				
8.	Installation and commissioning cost, if any				
9.	Any other charges, if any				
10	<b>Grand Total (in figures &amp; words)</b>				

- Note:** . Price must be quoted in US\$ for imported equipments.  
 . The validity of tender shall be 180 days after opening of financial bid.

**Self-Declaration to be given by the bidder**

Tender's Reference No. & Date:

Tenderer's Name & Address

Person to be contacted:

Designation:

Telephone No.:

Fax No.:

Email:

The Registrar,  
Jamia Millia Islamia,  
Jamia Nagar, New Delhi-110025.

We, the undersigned Tenderer, having carefully read and examined in detail the Terms and Conditions, specifications and all bidding document in regard to the supply of equipments/instruments at Jamia Millia Islamia and accept the same.

**We also do hereby declare**

1. that we have not been blacklisted/debarred by any Government/Undertaking.
2. that the rates quoted are not higher than the rates quoted for same item to any Government/Undertaking.
3. that the tender submitted by us is properly sealed and prepared so as to prevent any subsequent alteration and replacement.

For and on behalf of the firm  
(Firms Name & Address)

(Signature of Authorized Signatory)  
Name:  
Designation  
Phone No.:  
Seal:

Date: .....

Place:.....

## ANNEXURE-VI

### **CONTRACT FORM** **(to be filled by the successful bidder)**

**THIS AGREEMENT** made the .....day of....., 20.... between the Registrar, Jamia Millia Islamia, New Delhi (hereinafter called "the Purchaser") of the one part and ..... (Name of Supplier) of ..... (City and Country of Supplier) (hereinafter called "the Supplier") of the other part :

**WHEREAS** the Purchaser is desirous that certain equipment/instrument and after sales services viz., ..... (Brief Description of equipment/instrument and after sales services) and has accepted a tender by the Supplier for the supply of those equipment/instrument and after sales services for the sum of ..... (Contract Price in Words and Figures) (hereinafter called "the Contract Price").

#### **NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:**

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. In consideration of the payments to be made by the JMI to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the JMI to provide the equipment/ instrument and after sales services and to remedy defects therein in conformity with the provisions of the Contract in all respects.
3. The JMI hereby covenants to pay the Supplier in consideration of the supply of the equipment/instrument and after sales services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

Brief particulars of the equipment/instrument and after sales services which shall be supplied/provided by the Supplier are as under:

SL. NO.	BRIEF DESCRIPTION OF EQUIPMENT/ INSTRUMENT AND AFTER SALES SERVICES	QUANTITY TO BE SUPPLIED	UNIT PRICE	TOTAL PRICE	DELIVERY TERMS

**TOTAL VALUE:**

**DELIVERY SCHEDULE:**

SIGNATURE OF  
AUTHORISED SIGNATORY

**Name :**

**Designation:**

**Name of the firm:**

**Seal:**

REGISTAR, JMI

NAME

PLACE

SEAL

**FORMAT FOR OTHER INFORMATION**

(To be filled in by the bidder)

Cost of Tender: Rs.500/- .....

Cash receipt/Bank Draft No .....

Date: .....

1. Name of the firm: .....

2. Address:- .....

3. Telephone/Mobile No. ....

4. Fax Number:- .....

5. Email:- .....

6. TIN/VAT/CST No.: .....

7. Firm Registration No.: .....  
(if any)

8. PAN : .....  
(attach photocopy)

9. **Earnest Money (Bids Security).....**  
**@ 3% of the estimated value of**  
**the goods to be provided.**

a) Bank Draft/Pay Order No .

b) Date .

c) For Rs .

d) Drawn On .

(Signature of the authorised person)

Name of contact person

Name of Firm

Contact No.

Seal

Place .....

Date.....